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Relating to the Farm, the Garden, and the Household.

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CONTENTS.

The Property of the Control of the C	
THE FARM: Agricultural Collage Farm Building	278
Supply of Air for the Roots of Plants	278
To be at the State Fair	278
Breaking Colts	278
Amber Wheat	278
Drouth at the East	278
Box-feeding Cattle	274
A. K. Richard's imported Stock	274
Wool Fair at Cleveland	274
Ringbone in Horses. The Wonders of Invention	274
The Wonders of Invention	274
Cat Mountain Wheat	274
THE GARDEN AND ORCHARD:	
Fruits in Season	275
The Pests of the Orchard	275
The Lest kinds of Shade Trees	275
The Forget-me-not French mode of Raising Tomatoes	275
French mode of Raising Tomatoes	275
Horticultural Notes: Grafting the Vine-Farfugium	
Grande—Toads and Squash bugs—The Cuculio on	
the Peach	275
Bulbs—The Dahlia	265
Spinach	275
FOREIGN AGRICULTURE, &c. :	
Steam Tillage in Europe and America	276
Great English Agricultural Show	276
FARM MISCELLANEA:	
Cleveland Wool Fair-London Horticultural Society	
-Sheeing Horses for Over-reach-Sugar Cane-	
Large Premiums-Indiana Agriculture	176
EDITORIAL:	-
	277
The Cattle Market.	277
Ohio Grain Crop	277
Literary News	277
Scientific Intelligence	277
General News	277
Foreign News	277
Household:	
Poetry : Hoeing Corn-A Home Pieture	978
Poetry: Hoeing Corn—A Home Picture Our Window	278
Recollections of Ireland	278
The Burdock and the Violet	278
Household Varieties: Talking to his Plate-Lying	on
to Children—A word to Husbands — Language without Oaths.	
without Oaths	278
The Reserve Ground Household Recipea: Washing Fluid-To keep worms	278
Household Recipea: Washing Fluid-To keep worms	-
from Dried Fruit-Ripe Cucumber Pickles	
Enigmas and answers	279
Markets	280

The Farm.

The State Agricultural College.

THE FARM BUILDNGS-No. 6.

In the last number which treated of the subject of farm buildings, it was shown with as shed forty feet long, intended for sheep. This much precision as possible, what would be the | yard will have an opening into the wheat amount of stock that could be kept, over and stubble lot in which is located the yard, beabove that which is now upon the estate, with cause sheep never do well when confined. It The success of many crops depends as much the amount of food and forage it is now most is calculated that from 100 to 150 sheep can upon the latter as upon the former; and in no probable may be harvested. Since we then be pretty comfortably accommodated and fed wrote, the rains and warm weather have push- here with the greatest regularity. ed forward vegetation, and all the root crops are growing most luxuriantly, whilst the corn with its completion, may be estimated pretty mer fallows; but the operation of fallowing is at least equal to any that can be found in much as follows: the State, on the new, timbered lands of the 1st. There are the six barrack stacks which ed crop of inferior quality is the inevitable northern counties. It is not improbable that form the corners of the yards, and which af result. Wheat, it is true, naturally covets a our estimates of surplus stock that may be ford the protection to the crops. These were close soil; yet the deeper and more thoroughkept on this place may be considerably ex- originally intended to be put on posts sunk in ly it is pulverized, so as to allow air, warmth ceeded. It is therefore of importance that the ground, but have been put on swamp oak and moisture freely to come in contact with whatever buildings or protection may be re- sills. They are thus made because they can the roots of the young plont, the more freequired for the accommodation of stock, it be moved at any time without danger, and put ly will it grow, and the more abundant will be should be decided before the winter season in a more permanent position when needed. the produce. If, however, [water should in approaches, what will be both most suitable All of these barrack stacks are 14 feet any considerable quantity stagnate, so as parcal to erect.

been heretofore mentioned, there is a lane that they have a good capacity. It must be crop. leading down to the Cedar river, to a bridge noted, however, that the oats were not a heavy that coanects the farm that lies on the south growth of straw. They are made with a slidside with that on which the buildings are lo- ing roof, that can be raised or lowered by from the oldest agricultural writers; but the cated. This lane is surveyed out so as to run means of pulleys sunk into the main or gal- principle was never so fully understood and north and south, or at least nearly so, when lows frame that is the chief support. The it is permanently fenced, and not lined on bill of timber required for one of these struc- first and most striking instance confirmatory either side with the crooked worm fence of tures on sills, is as follows: the early settler. It is planned to run in a direct line, taking the south east corner of the brick barn as the base, and one rod on the port for roof. brick barn as the base, and one rod on the west side of the present bridge as its terminus. This lane or road is laid out to be sixty feet in width. On its west side is located the feet in width. On its west side is located the pig pen and yard, and on this side it is also intend.d to locate a small slaughter-house for the convenience of the College. On the east side of the lane, on the crown of the hill near the northwest corner of lot nine, where Australian wheat grew, a cattle and barn yard has been planned, on the cheapest possible plan,

The Michigan Farmer, for this year. The west side of this yard is located so as to be twenty feet inside of the for this year. The west side of this yard is east line of the lane.

When it was first proposed to build a permanent barn, there were authorized to be erected several barrack stacks with sliding roofs, for the accommodation of the grain bolts, and thirty feet of inch and a quarter crops, there not being any protection or covering on the farm for fodder crops of any windlass answers for the whole six stacks, as kind, and it was determined at first to locate the roof only requires to be raised or lowered them in connection with the site chosen for at long intervals. the large stock barn itself. The erection of any barn being given up for the present year, of course it became necessary to change all the plans heretofore devised, and to adopt students' labor. To this, however, has to be designs that would be of the greatest use for a single season, with the smallest outlay.-Hence it was originally designed to have the barrack stacks permanently located and the of plan, however, made us devise a plan by which the stacks, of which there are six, should each form a portion of the cattle yard. By this plan six of these stacks were placed so that three should be on the northern side of the yard, and three on the southern side, and form two hollow squares, thus:

a. | b. |

The two stacks located on the west side of the yard are situate twenty feet from the line of the lane, and thus permit a shed to be put up outside of them which will shelter the wagons and sleighs, and other implements which now have to remain out of doors exposed. Each of the stacks on the north and south sides are designed to stand forty feet from each other, and the north and south lines are to be eighty feet, so that yard a. will be, when complete, 68 feet east and west by 80 feet north and south, and yard b. will be 50 feet one way by 80 feet the other. On three of the sides of the yard a. it is designed to put up plain board sheds, made of such stuff as can be used for the roof boards of a more permanent barn at any time during the next two years. Each of these sheds will be forty feet long, and the one on the north side is intended for the milk cattle; the one on the east side for the working oxen and such beef cattle as may need the room, and the shed on the south side is for such young feeding stock as it may be found necessary to keep to consume the crops, and thus to make beef, manure and money returns for them.

On the north side of yard b. will also be a

2 sills 16 feet long, 8 inches by 8 inches, to stand posts

4 posts 8 feet long, he wed on two sides, to form corners of sides, 6 inches.
2 girts, each 14 feet in length, he wed on two sides, six

The roof is a hip roof with a quarter roots, and in great measure excluding the ex- drews, Esq., from his thoroughbred mare 2,550 shingles to cover it.

The nails required are 12 lbs. of shingle nails and 10 lbs. of eight-penny nails. Two cast-iron sheave pulleys with wrought iron rope, are required to hoist the roof; and one

The time occupied in the erection of three of these structures, so far, has been twelve days of a master carpenter and 216 hours of added the time occupied in the selection of timber and getting it out of the woods.

For the purpose of making the roof as light as possible, the rafters were made of main posts sunk in the ground. The change basswood, and whitewood shingles are used for roofing.

A Supply of Air for the Roots of Plants.

The main object of the practical farmer is to raise from the dead earth the living plant; and in order to do this, it has been found necessary in all countries, and in all ages of the art, to break up, and more or less to pulverize the surface soil. As this is the natural station for all our cultivated crops, and where they obtain a large portion of the necessary elemental food requisite for their development and maturation, certain conditions of the said surface become absolutely necessary. Moisture, warmth and air, in due proportions, are indispensable both to the roots which are extended through the soil in search of mineral food, and to the stem and leaves which appear above the surface, one of whose chief functions being the absorption of gase ous matter from the surrounding atmosphere. An excess of moisture is commonly more injurious to plants, than the extremes of heat and sir; for when a soil becomes saturated with water for any considerable time, air is in a great measure excluded frem its pores, and the slow and constant evaporation which is going on at the surface, keeps down the temperature to a degree inimical to the healthy progress of vegetation. For a soil therefore, to be made porous so as to freely admit air, warmth and moisture, with the capability of any superfluous amount of the latter freely percolating away, constitutes an anxiom on which all our operations of ploughing, trenching, digging, draining, &c., are

Soils, it is well known, vary much in their chemical composition and mechanical texture. case can the natural or artificial consistency of the soil be safely disregarded. Most of The cost of this yard and all connected the winter wheat in Canada is raised on sumis often so imperfectly done that a diminishfor temporary erections, and most economi- square, and are 18 feet high to peak of roof. tially to exclude the air, and by surface evap-Two of them very nearly held the crop of oration produce cold, underground draining In the rear of the brick barn which has oats taken from thirty-four acres of land, so is essential to the procuring of a profitable

> That the contact of air to the roots of plants was always considered necessary, is evident acted upon, as it has been of late years. The of the opinion was the fact of large, fullgrown, ornamental forrest trees having been killed by their roots being too deeply covered up with earth when leveling lawns; and plant ers and gardeners have long been aware of the injurious effects of planting as well as sowing too deep. Formerly it was thought that the earthly materials in which valuable exotic plants were to be placed could not be too finely sifted and mixed; whereas experience at length showed that the small particles of such soils soon run together and become a compact mass after heavy rains, thus operating against the extension of the young

than in closer and denser soils.

scriptions of soils being composed of the finest colts will be improved. atoms, become exceedingly close and compact if undisturbed; but when plowed or otherwise periodically moved, the surface portion attracts as much of the qualities of the air as suffices for the following crop. It air to the place of the roots.

whether aquatic or terrestrial.

earth so slightly that their system of roots is nothing compared with the bulky heads susis evident that the greatest portion of their nutriment is drawn from the atmosphere.-Another tribe of curious and beautiful flowering plants is called Epiphytes; because attach themselves to the stems and branches of trees, not to sustain themselves by extracting their juices, but to be supported in the deep shade and moist air of thick tropical woods. Some of these are called air plants, and grow as well in a basket without earth, suspended in a warm, damp, shady place, as if they were in their native habitat.

Thus it is apparent that atmospheric air is ssentially necessary to plants, and as much to the roots, as to the stem and foliage; and fies all the means of cultivation which the a view of rendering the staple of the soil more man turns out a mulish horse. loose and consequently more permeable to all atmospheric influences.

deserves to be noticed along with these general remarks; it is this, that all seeds require to be closely embedded in the soil, that is, they should be in close contact with the mould on all sides; and, that this should be completely secured, some seeds in particular soils require a mechanical pressure of the or less reduced to the finest practicable state, a considerable volume of air is incorporated therewith, and that this air, according to its give him a hitching gait." temperature and the moisture of the soil, facilitates the germination of the seed, and continues to assist the development of the plant. To obtain this close embedding of the seed on light, porous soils, it is the practice to press it in, a practice which is found of service to wheat, peas, teans, and almost all small seeds; but which would be of no avail without the previous disruption and aeration

All these matters premised, it only remains to conclude with a general declaration that, in all practices and means employed for the amelioration of the land, everything that can be added or taken away, every operation performed, and every implement used in the culture, should all have for their ultimate object either directly or indirectly, the breaking up of the compact and impervious surface, so that copious and constant supplies of air may be freely admitted at the roots of plants.--Canadian Agriculturist.

To be at the State Fair.

Last week we had the pleasure of examining a most beautiful filly belonging to F.

pitch, and has a surface of 240 feet, requiring ternal air and moisture. Among coarser and Lady Jane. Buford is a son of Glencoe, and ooser materials, however, a considerable the dam is from a thoroughbred imported, and body of air was found to repose, and the more a granddaughter of Eclipse. The filly is active fibres to extend much more luxuriantly a beautiful creature, and a most thrifty grower, showing great action and good size for its The gardener's improved practice is only age, as well as a fine proportion. We have another proof how much a porous soil and no doubt that the class shown at the State presence of air are necessary to the roots of Fair this year will be superior in many replants; and yet we often see the most luxuri- spects to any that has yet been seen. Betant vegetation produced by soils which are ap. ter and more correct notions relative to breedparently very close in texture; such as allu- ing horses are gaining ground, from year to vial soils and fertile clays. Both these de- year, and as the result, the quality of the

Breaking Colts.

A writer in the Country Gentleman says: "As some of your subscribers are troubled with their horses hugging the reins, I will is rather remarkable that while oak thrives give you my method of breaking colts. First best on clayey subsoil, it does not seem to af- I put on a high part mouth bit, to learn the fect rich alluvial land, owing probably to its colt to keep his tongue below the bit-(bricloseness of texture preventing all access of dle with no blinds;) put on the harness one hour in the forenoon, and one in the after-Aquatic plants, which live entirely sub- noon, with the breechen straps hanging merged, although defended from external air, about the legs—crupper-pad six inches round. receive as much as they need from the sur- Do this for one week, tying him on both sides rounding water, which always contains a no- of the stall, reined moderately. Then change table measure, besides nutritive bodies in so- the bit to a chain-bit, placing him between lution, which form the pabulum of plants, the poles of a double-wagon, between two steady farm horses, and have him so regulated Another tribe of plants are attached to the by the reins that he can neither pull too much nor fall back-the old horses having control over him by the breechen and reins. Keep tained; and as these plants are mostly found him in daily, till he learns all that is necessary on rocks, or on the driest tracts of country, it when he is spoken to, seldom driving off of a walk. Never hitch a young horse to a harrow, plow, or cultivator, till he is thoroughly at command in the wagon-which will take often six months. Drive with blinds if the colt is timid or lazy.

If disposed to kick in handling, tie up his head as high as possible alongside of the barn, and then give him a white birch bush till he can be handled quietly. One good dressing will do the business. Bitting a colt as some do, and allowing him to walk about the yard, I have found to spoil him. Standing quietly afterwards, when my colts are broken they need no hitching, however wild when taken in hand, but are trusty in all reit is this fact, as already observed, that justi- spects. Never give a colt in the hands of a brute of a man to break, if you ever expect farmer and gardener have recourse to with him to be docile, for like gets like-a mulish

If you wish a serviceable horse, four years is as young as he should be deemed a horse, There is one circumstance, however, which he can be well broken before that by my method, with little hindrance about a farm, and is worth three horses that are put to draft at two past.

P. S .- You will perceive the pad of the crupper being made large, not only breaks the colt of that hugging practice in putting on the crupper, but he carries a better tail, and has earth upon them, as wheat, for instance. never the power to hug the reins, and if dis-Now, we have only to consider that as the posed to bolt, a few rods with the reins with soil has been previously prepared, and more a chain bit, will quiet him for that. Never check a young horse too much when walking in harness, for it is apt to spoil his reach, and

Amber Wheat,

We have received a specimen of this excellent variety of wheat from Hon. W. V. Morrison, which was grown upon his farm near this village. This is the first season this kind of wheat has been raised in this region, and the satisfaction its appearance and yield have given, to the parties introducing it, induces us to call the attention of our farmers to its more general cultivation. This variety of wheat has been successfully cultivated in Alabama, from which State it was introduced into the State of Illinois some two years since, and from the latter State, one year ago, it was brought to Michigan. The parcel before us is a splendid sample, and, in point of quality, it equals any variety of wheat we ever saw before. Mr. M. informs us that he commenced cutting his wheat on the 4th day of July, which is earlier than usual for harvesting most other kinds of wheat. Its weight, 631 pounds to the measured bushel, and its early maturing for harvesting, are destined, without doubt, to make it a general favorite among wheat growers. We E. Eldred, Esq., by Buford, the fine thoroughhope our farmers generally will give it a fair red stallion owned by the late H. R. Antrial.—Albion Mirror.

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Box-Feeding Cattle or Housing Without Tying.

The method of box-feeding as a modification of ordinary stall-feeding, fastening with stanchions and otherwise, originated, it seems, with John Harver, an enterprising practical yet appeared on the subject, in the general agricultural press, though some account of it my notice.

The method of box-feeding having several bearings of decided economical importance. may be described thus: Instead of being tied able composted manure;

It promotes greater cleanliness and a much up, the animal is allowed a box or inclosure, in which it can turn round when it chooses; the boxes, as I understand it, being of any width from three to six feet, by about eight or nine feet in length, with feeding-rack and manger somewhat modified from the usual form. As there appears to be several modifications of this plan, I may here offer a few suggestions of my own.

One of the objects of the plan is to save labor.

It has promoted that object in England as droppings to be deposited in all parts of the sequence of more comfort alike in motion, more important with us. By allowing the box in succession, as will naturally result from allowing the beast to select a fresh position to avoid moist dung each time it lies down, the labor of cleaning the stall daily is saved This object of distributing the droppings all over the bottom or ground of the pen, is accomplished by the animal, and muck, mold, litter and sawdust can be put down in a thin layer at a time, so as to save all the liquid excretions, and make an excellent compost.-The boxes are made deep enough vertically to admit of an accumulation of several feet in thickness, as it is found to keep dry enough in consequence of absorbents like muck, saw. ral functions to a healthful extent, but secures dust, chaff, &c., being put under and among that degree of vigor and thrift which can only it in such quantity as may be requisite for that purpose, and thus they need cleaning out only once in the winter, or, if made specially deep, not till spring. It is said the treading the manure bed constantly receives, prevents fermentation, and thus prevents the animal's health being injured by foul gasses, as also the waste of ammonia, and thus is saved a great amount of labor, that with tying in at Georgetown, Ky: stalls is indispensible in working over the manure and keeping the animals cleanly. Cleaning them often is necessary, but very difficult, permitted the alternative of selecting a position for rest. Where stalls are fitted up with stanchions and floors, these are only removed and the earth dug out deep enough to admit of two to four feet manure accumulating, and so converting stalls into boxes. Some good farmers in Canada adopt this plan, with a vertical rack from the bottom of which the hay drops into a manger. One of the best adopted it twenty years rgo. He was called

cise, and we may rely upon it, that when the side of this magnificent stallion, who is thus order of nature is perverted, and the natural described in the English Sporting Magazine functions suspended, and the organs weaken- in his forehead; he has a very neat thoroughed and partially destroyed by keeping animals in total darkness, we not only inflict arches when walking; he has a clean light great suffering, but practice very bad econo- shoulder well thrown back; fair ribs, good my, particularly with store animals, by per- back and quarters, with great power; he has manently injuring their breeding functions good arms, hocks and thighs, is short and and constitutional vigor, for we cannot per sound on the leg; and altogether a low, vert the order of nature without nullifying lengthy and very handsome nag, some considthe condition of health in an equal degree - er him as handsome as any horse in England. Another arrangement might be made beside The Druid author of the Post and the Paddarkening the back and lighting the front of dock, in speaking of the Knight of St. Ohio. the box or pen, thus: Put a pole across at George, says: Mr. Harry Hall (the great such a distance from the manager that the artist) informed me that he is one of the cow or ox must step over it to get at the sweetest studies be ever painted from-he is feed box, and stand with its fore-legs between a race horse all over, but his forehead is esthe pole and the manger when eating; which pecially beautiful.

'The Knight of St. George is by Irish Birdcross pole should be ten to fifteen inches high catcher, out of Maltese, by Hetman Platoff; according to size of animal, &c. Standing catcher, out of Mater Witch, by Sir Hercules between this pole and the feed box, would do Mary Ann by Waxy Pope; Witch by Sorno harm, nor would the pole be any serious inconvenience in any respect, because it would Goldfinder, out of Lady Bolingbroke; she

would step over it to feed without dalliance. are all of the best racing families.

The manger or feeding-box would be, I position.

of application, costs, &c.;
It secures a much larger bulk of very valu-

boxed, (as Blood Horses are housed in this way for the sake of muscular health);

It prevents disease by admitting of the antidote of some degree of natural exercise when the instinct dictates its necessity, and therefore must be most beneficial;

It promotes better general health by its greater cleavliness from voluntary choice, and necessary choice of position at all times, is alleged, and this saving of labor is even according to the instinctive dictates of animal feeling; and greater thrift as a natural conand at rest. On the contrary, a system of compulsory restraint, so far from promoting thrift and health, induces restlessness. For which reasons, among others, I conclude that feeding in loose boxes is more natural, more agreeable, and more economical, particularly as applicable to store stock, than the restraining discomforting and necessary-locomotionobstructing system of stanchion and stall,-Compulsory restraint induces debility, distress and disease, but the voluntary motion proenergy does not obstruct the exercise of natucome from at least a limited degree of voluntary action of the natural functions-Cor. Stock Journal.

A. Keene Richards and his Imported Stock.

The Cincinnati Gazette contains the following description of Mr. Richards' stock, which is of much interest. Mr. Richards resides

"The hill upon which stands the mansion house of A. Keene Richards, Esq., rises abrubtly on one side from the channel of Big tedious and unpleasant operation. When Spring and slopes away on the other to the box-fed they keep clean as a matter of choice Lexington Turnpike, and the pastures where when allowed room enough, because they in- feed the rare stock which he has imported at stinctively avoid moist dirt or droppings, if such cost and pains from Europe and Asia. His stud of horses numbers at present 75 head, more than half as many as that of the late Marquis of Waterford, but of far greater value. Among the blooded horses are two splendid Arabian stallions, brought directly from the desert, one a rich chestnut, whose slender but muscular limbs, graceful action, lithe body and flashing but gentle eyes, attest the nobslity of his descent. A more detailed account is hardly needed, as "Pasha" is well most successful horse managors I ever saw, known to all admirers of his kind. The other, a much older but still spirited animal, is of a idle and s'ovenly because he did not follow snowy white, and is hardly inferior to Pasha the beaten track, but always having good in agility, docility and strength. To reprohealthy horses, and getting a good price for duce even the meagre genealogles of the blooded racers, brood-mares, fillies and colts By some it may be thought that feed will which make np Mr. Richards' stock of horses be sometimes spoiled by droppings in the would occupy a space which is not at my dismanger. If the boxes are lighted in front of posal, and I must close this description with the animal where he eats, and close at the a few words concerning his last and choicest Ohio. Honorary Mention-P. A. More, opposite or entrance end, such occurrences importation, the Knight of St. George, the Summit county; Wm. Bonar, Knox county; will scarcely ever take place, for the animal winner of the St. Leger in 1854. I had J. P. Gillet, Manchester, Mich.; Alexander seeks light with its eye as instinctively and thought the Pasha a perfect model of a horse, naturally as it seeks food when hungry.— and others which I was shown seemed to com-Light is as much a natural and necessary con- bine every attribute of beauty and strength, dition of sound health, as either rest or exer- but their points appeared insignificant by the

A beautiful blood bay with a small star

cerer; Precipitate by Highflier; her dam by

the rack. Not one animal in a thousand that the Knight of St. George has not a sinwould ever beak over a pole so placed, but all gle soft cross in his blood, and his ancesters

'The St. Leger is one mile and three-quarthink, better if independent, and detached, so ters, and 132 yards. It is for three year olds that the compost bed might extend under it and is run in September. Weight for colts to the same uniform depth in all parts of the is 119 pounds, for fillies 114 lbs. The Knight farmer of Norfolk, England. Very little has bed, two upright studs keeping it in its right of St. George's time for the St. Leger was 3 minutes and 22 seconds-equal to 1:50% to A few of the advantages of feeding loose the mile; he being three years old with 119 may have been heretofore given in your in pens or boxes, as distinguished from stall- lbs. up. Touchstone's time for the St. Leger pages, before the Stock Journal came under feeding and tying in any way, may be noticed: was also 3 minutes and 22 seconds. The It saves much labor and its necessary time Baron (sire of Stockwell and Rataplan) was 3 minutes and 25 seconds. As regards time. the most extraordinary performance of the Knight of St. George was when he ran for the Chesterfield cup, over the Goodwood better appearance of animals so managed or Course, and in which he was beaten only by a head by an Irish Birdcatcher horse, Catspaw. Twenty-one others started, among which was Mincemeat, winner of the Oaks. and two Goodwood cup winners, Nancy and Juvence. None of the horses were placed except Catspaw and the Knight of St. George. The Knight of St. George, although only three years old, carried 101 pounds. Catspaw, four years old, carried only 102 pounds. The discreater comfort by admitting of voluntary tance was one mile and a quarter: time 2 min. 13 sec.—equal to 1:461 to the mile.'

Mr. Richards' stables are arranged upon a plan entirely his own. They are surrounded by a broad verandah, beneath which the horses can be exercised without exposure to the sun. Their stalls are large rooms with floors, about which they are free to wanders no halters being used. The groom of each horse sleeps in a bunk close in front of his

While examining the horses, some singular cattle were pointed out in a neighboring field, comprising a bull, some cows and several full blooded calves of a breed indigenous to Syria. Their heads are shaped not unlike motes cleanliness, exercise, and its resulting a rabbit, and the horns, hardly four inches in length, project horizontally from the temples. The milk of the cows is said to be of surpassing richness. The bull, whose ancesters are the 'bulls of Bashan," is said to be as swift of foot as a fleet race horse, and his roaring can hardly have been excelled by his Scriptural prototypes. These remarkable animals are fully described in Lieut. Lynche's Tour to the Dead Se,a"

The Wool Fair at Cleveland.

This took place, as advertised, on the 4th inst. The exhibition probably exceeded anything of the kind ever held in the United States. There were, in all, about sixty competitors. For the tasteful manner in which the wools were arranged, credit is due to Messrs. Goodale & Co. The attendance was quite large, much greater than we had expected to see it. The Committee on Awards was composed of manufacturers-W. D. Coolidge, of Boston; Jesse Eddy, Fall River, Mass.; and Alphonse More, Eaton, N. Y. The Committee sny, in their report:

"Where so many lots have been presented to ns, all evincing the great care which the growers have bestowed upon their offerings, it two best of each, but after careful investigation, and taking into view the condition and adaptation of each lot for its respective use, we made our awards."

The first class comprised Clothing or Feltng Wools. First premium \$30, to Alexander Black, Greencastle, Ind.; second, \$20, to A. Hildebrand, Massillon, Stark county, Black, Greencastle, Ind.; S. S. Saxany; L. J. Randall, Geauga County, O.; 2 lots; Edward Potter, Trumbull county, Okio.

Cassimere Wools .- First premium, #30, Weld & Farnam, Summit county. Ohio; second premium, \$20, P. A. More, Summit county, Ohio. Honorary Mention-Lucius Warner, Medina county; Weld & Farnam, Summit county, M. H. Henry, Summit county; Harvey Baldwin, Summit county, L. J. Randall, Geauga county.

DeLaine Combing Wools-First premium, \$20, Thos. M. Burnham, Trumbull county, Ohio. Second premium, \$15, William Andrews, Lorain county, Ohio. Honorary Men-

Flannel Wools-No entries.

Worsted Combing Wools-First premium, \$15, George Moore, Lorain county, Lorain county, Ohio.

In class F, which comprised from 100 to quired it, in the event of their backing toward champion, Darley Arabian, &c. clip was greatly admired. Mr. P. entered for practice, and both injure course the manger when turned with their heads from the above pedigree the highest premium of \$40. The other pre- W. Pierce, in Ohio Farmer.

miums in this class were given as follows:-W. G. Minter, Hopedale, Harrison county, Ohio, \$10: Uri Oviatt, Richfield, Summit county, Ohio, \$5; Alex, Black, Greencastle, Henry county, Indiana, \$3; D. L. Hadley, Clarksville, Clinton county, Ohio, \$2; Na-Ohio, \$1. The Committee, at the close of their report, say :

"Your Committee cannot permit this occasion to pass without expressing their great gratification at the general appearance and improvement of the wools of Ohio, and from many years of experience, we can truly say that the show of this day surpasses anything of the kind ever brought to our notice. We congratulate the Convention upon the prospects before them of success in persevering efforts to raise this great staple to such perfection and abundance that Ohio shall take the lead in it, and bring back to your great State a rich harvest of wealth and prosper-

The report caused some discussion; but as the names of the spsakers were not announced, we can only mention a few who participated in it; among whom were Messrs. Coolidge, Eddy, More, W. H. Ladd, Giddings, &c. We cannot but feel that such annual Fairs would be of great advantage to all interested in the raising or manufacture of one of the most important staples of the country .-Ohio Farmer.

Ringbones in Horses.

Much has been written and said upon this subject; some claim it curable in all stages; others say it is incurable in every stage. In both instances, one manifests as much knowledge of the matter as the other. Ringbones months, returned with \$40,000. Another are of two kinds when fully developed, the osseous and cartilaginous. The osseous ring bone is formed by a secretion under the envelop of the os coronea. The fibrous ligaments that bind the skin to the envelop, (for there is no muscle there) of the bone, are so each. short and strong that often the envelop gives way before the ligaments, in which case the secretion will be directly on the bone, and in the process of time, and the change of this fluid, it would become a piece and part of that to which it is attached, namely bone. The cartilaginous ringbone is a secretion between the skin and cartilaginous evelop of the bone. This happens when the ligaments of the skin give way, without loosening the envelop .-A deposit of synovial fluid between the skin or the outer surface and a membrane, could tive, bringing to the engineer's ears all the never ossify or become bone. It requires noise ahead perfectly distinct, notwithstandsomething very peculiar to form bone independent of another. It is not claimed that the synovial fluid imparts nutrition, material or strength to the bones; in fact, it does not come in contact with them without serious injury. No veterinary surgeon would say that he could cure a weeping sinew, a bog, a puff, or a fluid spavin or ringbone. All ringbones are at one time a limpid, synovial fluid; this remaining inactive for some time, becomes has been no easy task to decide upon the glutinous, then cartilaginous, and (if in direct contact with bone) may become osseous. In no instance has ringbone been ossified while in a growing condition. This is likewise the case with a bone spavin. A spavin is always a secretion upon the bone, for the envelop of the metatarsals extends over the square joint, a rupture of which would likely prove fatal to the joint. It is not nesessary that the joint should be injured, in order to produce a ringbone; the rupture of a ligature, tendon, or a number of ligaments, will discharge their fluids. The cords of the tail, when s and separated half an inch, will dicharge and form a union, but never ossify. A bog spavcause the secretion is held in a sack. Any process that would form bone, independent of bone, would be likely to form an entire horse. And he who claims to cure all ringbones by a medical process, will doubtless fail on some. And he who claims none curable, needs experience.

All enlargements on the os coronca are termed ringbone, and may as well be considered so in the first stages, as o let it retion-Wm. G. Minteer, Harrison county, main, and call it cartilage in an ossified state. Ringbone, like many other diseases, comes up through a multitude of forms, stages and defails to cure mortification, should not con- ticle of wheat. Ohio. Second premium, \$10, Wm. Hurst, clude fever, inflammation, or congestion in-

The Wonders of Invention.

Among the thousand marvelous inventions which American genius has produced, within the last few years, are the following, compiled in an abstract from the Patent Office Report. than Dagget, South Kirtland, Lake county, Read them over, and then say if you can, that there is nothing new under the sun.

The report explains the principle of the celebrated Hobb lock. Its "unpickability' depends upon a secondary or false set of tumblers, which prevent instruments used for picking from reaching the real ones-Moreover the lock is powder proof, and may be loaded and fired through the hey-hole and fired off till the burglar is tired of his fruitless work, or fears that the explosions will bring to view his experiments more witnesses than he desires.

Door and shutters have been patented that cannot be broken through with either pick or sledge-hammer. The burglar's occupation's

A harpoon is described which makes the whale kill himself. The more he pulls the line, the deeper goes the harpoon.

An ice-making machine has been patented, which is worked by a steam engine. In an experimental trial, it froze several bottles of sherry, and produced blocks of ice the size of a cubic foot when the thermometer was up to eighty degrees. It is calculated that for every ton of coal put into the furnace, it will make a ton of ice.

From on examiner's report, we gather some idea of the value of patents. A man who had made a slight improvement in straw cutters, took a model of his machine through the western States, and after a tour of eight man had a machine to thrash and clean grain, which in fifteen months, he sold for \$60,000. These are ordinary cases, while such inventions as the telegraph, the planing machine, and india rubber patents, are worth millions

Another examiner's report describes new electrical inventions. Among these is an electrical whaling apparatus, by which the whale is literally "shocked to death." Another is an electro-magnetic alarm, which rings bells and displays signals in case of fire and burglars. Another is an electric clock, which wakes you up, tells you what time it is, and lights a lamp for you at any hour you please.

There is a " sound gatherer," a sort of huge ear-drum, to be placed in front of a locomoing the noise of the train.

There is an invention that picks up pins from a confused heap, turns them around with their beads up, and sticks them in a paper in regular rows.

Another goes through the whole process of cigar making, taking in leaves and turning out finished cigars.

One machine cuts cheese; another scours nives and forks; another rocks the cradle; and seven or eight take in washing and ironing.

There is a parlor chair that can be tipped back on two legs, and a railway chair that can be tipped back in any position without any legs at all.

There is also a patent hen's nest, so completely arranged that the hen is cheated into the belief that it has a real egg to sit upon; although the genuine deposit is carefully stowed away out of her sight.

Another patent is for a machine that counts passengers in an omnibus and takes their fares. When a very fat man gets in, it counts two and charges double.

There is a variety of patented guns that load themselves; a fishing line that adjusts in is the same secretion as bone spavin, but its own bait, and a rat trap that throws away never ossifies; wind galls never ossify, be- the rat, and then baits itself and stands in the corner for another.

There is a machine also, by which a man prints, instead of writes, his thoughts. It is played like a piano-forte. And speaking of pianos, it is estimated that 9,000 are made every year in the United States, giving constant employment to 1,900 persons, and costing over \$2,000,000.

Cat Mountain Wheat.

H. P. Hitchcock, Esq., has left at the office of the Hillsdale Standard a sample of wheat called "Cat Mountain Wheat," raised in Virginia, and gives us the following account grees, to its fullest development. He who of his experiments in introducing this new ar-

In the fall of 1856, he sowed about a half curable; and he who cures fever, should not pint, which he obtained from the Patent Ofconclude mortification to be curable, until fice at Washington, from which he raised and 1,000 fleeces, a majority of which were to grade he has experimented on it. Hundreds of sowed three quarts in the fall of '57; from super, there was but one entry of 1,000. This valuable horses are now ringboned and spavin- which he sowed three bushels, (on three was made by Mr. W. Pollock, of Muskingum ed, lame and unfit for use, because these two acres) last fall, and has this season harvested county, Ohio, and weighed nearly 4,000 lbs. conclusions have deceived them. It is wrong seventy-two bushels, which weighs 67 lbs. to be readily removable and need only be had out of Cypron (King, Herod's dam) by Blaze It did not take a premium, because a majorifor professional men to go to such extremes; the bushel. It is a white kernel, medium size recourse to with particular animals that re- (son of Flying Childers); Bethell's Arabian; ty of the wool did not grade superfine. This one injures the science, the other injures the and very hard. Mr. H. offers a portion of clip was greatly admired. Mr. P. entered for practice, and both injure community.—Dr. this wheat for seed at Bostwick & Co.'s store. -Hillsdale Standard.

The Garden & Orchard.

Fruits in Season. PEARS.

Amire Joannet, (Early Sugar, Harvest Pear,) is the earliest pear of any value, and is chiefly valuable on this account. It is said by Downing to be in season the first of July; but, in this climate, its season is slightly later. It is small, but delicate and juicy, when mature, soon becoming dry and mealy, notwithstanding which it may be considered desirable to plant a tree of it, even in a moderate collection; as the first ripe pears are us- removal a dangerous one for the health and ually so much sought after that they will have permanency of the tree or branch in which he little chance of becoming stale. The tree is a good grower, and, with the writer, appears, upon only two or three years' trial as a dwarf. to do well on the quince. Barry, in his · Fruit Garden," recommends it for this stock, but other writers are silent concerning it.

Madelaine, (Citron des Carmes,) is an old French variety, which still maintains its place as the earliest good pear, although it is by no means equal, in either quality or size, to many half of July, and will sometimes continuo during the first week of August. According to Downing, it derives its name from its being in perfection, in France, at the feast of St. Madelaine. Its synonym, Citron des Carmes, according to the same authority, comes from its having been first cultivated by the Carmelite monks. The tree is a beautiful, pyramid al and vigorous grower; and, as it is exceedingly prolific, it must prove profitable for the market. It grows finely upon the quince, for a few years, but is not considered permanently successful on this stock.

Doyenne d'Ete, (Summer Doyenne,) immediately follows the above, to which it is decidedly superior, both in appearance and quality, although inferior in size. This is a variety of recent introduction; and, although the tree is a fine grower and an early bearer, its adaptability to market purposes is yet undecided. It succeeds alike on pear and quince.

Bloodgood is an American seedling, brought out about twenty-five years since, by a nurseryman of that name, at Flushing, near New York. It is of unattractive appearance, and of only medium size; but, in quality, unequalled in its season. The tree is only a moderate grower, but hardy; and, like the Madelaine, is so distinct in its habit and appearance as to be easily recognized among others. It is an early bearer, and so prolific as to be considered desirable for the market. It ripens here, mostly, during the first two weeks of August; and is now just going out of season. It succeeds equally well on pear and quince

Dearborn's Seedling is another American now just coming in season, and will continue through August, and perhaps longer. The fruit is rather below medium in size, very smooth and regular in form, and pale yellow in color; rivaling the Bloodgood in quality. The tree is a fine, pyramidal grower, and very prolific. It is unsuccessful on the quince. As a market fruit, it is too small to be popular. T. T. LYON.

Plymouth, August 18th, 1859.

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The Pests of the Orchard.

In the article under this heading, published ed his belief that the Apple Tree Borer, found in the branches of large apple trees, is always identical with the one usually found at or near the collar of the tree. Subsequent examinations, however, have satisfied him that, altho' usually, or at least, occasionally the same, an insect does exist, essentially different from the true Saperda Bivittata; although the larvæ are quite similar in some of their habits.

deposited in some fissure or inequality of the shade tree. The Acer saccharinum unites tree; and, when hatched, the larvæ immediately bore so deeply into the bark and wood. that no indication of the place of entrance is visible, except a small aperture for the ejectment of the excretions; which are much more coarse and fibrous than those of our former

acquaintance. The larvæ are of about the same length as the true Saperda, but rather lighter in color, while the head is not enlarged, and the head and body not flattened, as with that insect The body is also somewhat larger, requiring the removal of more wood to permit a passage; for which purpose he seems endowed ly neglected. If a double row of these trees with a greater degree of voracity. Those last year's brood, as they had, obviously, wintered in their present locality. They had, at sugar is concerned. Of the beauty and first, burrowed in the last year's sapwood, but comfort of such leafy avenues we know nothso deeply that from this cause and the limited ing by experience, but can imagine, in some

castings during the present season. After ac- ago, except so far as it leads to a determina-| tortuous course through the broad vale which quiring their full size, (apparently the past tion that the rising generation shall have no the heartwood; and, when cut out, a few lack of the best shade trees. days since, had opened their way upward, near the heart, from three to five inches; leaving the branches in imminent danger of being broken down by the autumn winds.

The true Saperda confines himself chiefly to trees of diseased or stinted growth, thus offering strong inducements to thoroughness of maple, and in such cases the common or red cultivation; but the new comer, if not maple, the ash, the elm, the locust, the chestreally partial to healthy, vigorous trees, is nut, the beech, will serve as substitutes.-G. obviously quite "at home" in such, while the S., in Taunton (Mass.) Gazette. rapidity of his operations, and the depth to which he penetrates, renders the process of makes a lodgment.

Plymouth, Aug. 18th. 1859.

T. T. LYON.

The Best Kinds of Shade Trees.

It is now too late in the season to set out shade trees, unless evergreens come under this head, but it is a good time to decide upon the relative merits of the different kinds. so that there need be no mistake made when later varieties. It ripeus here during the last the proper time for transplanting comes

> Most trees are now nearly in fall leaf, and display their foliage to the best adventage.-Some of them may cast a somewhat deeper shade in July, but the dust and hot sun of midsummer discolor the brilliant tints of the chromule or coloring matter of the leaves, and striking contrasts of the spring foliage give in the memory. The bright blue of the flowplace to a more uniform and subdued tone of

In selecting shade trees, especially to set along country roads or village streets, several considerations should be attended to: they are ranged in two rows, and alternately, on next below the cluster, which immediately should be of tolerably thick growth, cast a deep shade, throw up no suckers, be the but when the plants in bloom are so numer- cluster of flowers each. The moment they natural breeding-place of as few insects and worms as possible, and be neat and elegant in their details and ensemble. If to these qualities, positive and negative, any tree should add that of producing something serving as a source of income or an agreeable article of food, it may be considered perfectly adapted for the purposes of shade, ornament and utility.

Fashion has something to do with shade trees as well as with architecture, equipages, dress and such matters. In the last century the buttonwood was the fashionable shade tree, though it has nothing to recommend it except its deep shade and quick growth; it has no beauty in leaf, limb, trunk, or as a whole; its bark extoliates in large patches and litters the ground underneath-ditto its cotton balls or catkins. Most trees are graceful even in winter, but the branches and spray of the buttonwood, or occidental plane, are neveral graceful. The old trees are usually inclined several degrees from the perpendicular, owing to the prevailing southwest wind of summer acting on their broad leaves; such variety, which was originated in 1818, by the an inclination may give a certain interest to into the river; but as he seized the flower, he tity of fruit, yet there is little probability of Hon. H. A. S. Dearborn, of Boston. It is the tower of Pisa, but is not attractive in sunk beneath the stream: making a final et- such fruit ripening well, and it must be safest trees. If the buttonwood finally becomes ex- fort, he threw the flower on the bank, repeating, to direct the energies of the plant to bear a tinct through the mysterious disease that has attacked it of late years, it can well enough be spared. We have better shade trees and

Of late years fashion has given to the elm the place once occupied by the buttonwood, and a very sensible change it was, the poorest specimen of the former tree being much more beautiful, as well as neater than the best specimen of the buttonwood. Young elms are always graceful, and old ones frequently magnificent. They bear transplanting ex- praises are rehearsed. We insert Lord F. tremely well and grow rapidly, but are infest- Leveson Gower's translation of these linesed by a great variety of worms and insects, some of the former being three or four inches in length, and correspondingly ugly in appearance. Besides this drawback, the elm does not leaf out so early as many trees, produces no useful fruit or food, and is not therefore perfect as a shade tree.

The sugar, or rock maple is beginning to attract something of the attention it deserves; The eggs of this interloper appear to be it is undoubtedly our best ornamental and all the qualities necessary to a perfect shade tree; it grows vigorously, casts a deep shade, sends up no suckers from the roots, harbors no insects, is elegant in youth and age-in leaf, limb, trunk and spray. No other tree has so rich a green in spring and early summer, and its autumnal colors are unsurpassed in richness; it is in full leaf nearly a fortnight earlier than the elm, is very valuable as timber, and after a certain age its sap can be boiled down into sugar. With so many valuable qualities it is surprising that the sugar maple should have been so long comparative had been planted thirty years ago along every observed by the writer were apparently from road in Massachusetts, we should now be in dependent of Louisiana and Cuba as far as comfort of such leafy avenues we know noth-

spring,) they bored their way directly into cause to complain thirty years hence of a

We have given our reasons for believing dence of all other trees for ornamenting our strees, but almost any trees are better than none along the the dusty roadside. It may sometimes be difficult to obtain the sugar

The Forget-me-Not.

Myosotis; L. Gremillet on Scorpionne; Fr. Vergiss mein nicht; Ger. Kruidig muizenoor: Dutch. Orecchio de tope; Rat. Miosota; Sρ. Myosota; Port. Dukowka; Russ. Forgjæt mig ej; Dan.

"That name, it speaks in accents dear Of love, and hope, and joy, and fear; It softly tells an absent friend That links of love should never rend: That links of love should never rend;
Its whispers want on swelling breeze,
O'er hill, and dale, by land and seas,
Forget-me not!
"Gem of the rill! we love to greet

Thy blossoms smiling at our feet. We fancy to thy flow ret given A semblance of the azure heaven: And deem thine eye of gold to be The star that gleams so brilliantly.

Bouquet des Souvenirs. The romantic story with which the Forgetme-not is connected has made it known to thousands who, perhaps, would never otherwise have become acquainted with its existence. Independent, however, of the fame thus attached to it, when once seen and noticed, its own beauty would gain for it a place

vor of every rambler who trolls where is seen, "By rivulet, or spring, or wet road-side, The blue and bright-eye'd flowret of the brook, Hope's gentle gem, the sweet 'Forget-me-not.'"

said to have occurred on the banks of the and excellence unattainable by other means, the delightful month of June, engaged in produce; over sixteen pounds being known. agreeable and affectionate conversation, when they observed the pactty flower of the Water ble to our climate may be doubted; but the Scorpion Grass apparently floating on the soundness of its principle is beyond dispute. water. The bride elect looked upon the flow- Five successive toppings are more than our er with admiration, and supposing it to be short summers will justify, except in very hot detached, regarded it as being carried to de- dry places; three we should consider quite struction; her lover, regretting its fate, and enough; for, although the fourth and fifth wishing to preserve it, was induced to jump toppings would doubtless increase the quanas he was sinking for the last time, the words, smaller quantity of the highest excellence "Vergiss mich nicht." Since this event, the that our soil and climate can secure, in a Germans have called the flower Vergissmein- species which grows best in a country where nicht, and we, translating the word, Forget- the summer heat rises to 100° and does not

The circumstance whence this flower derived its name, and the name itself, have made it cle. a favorite with German poets. Goethe, in his Lay of the Imprisoned Knight," represents it to be the choice flower of the lady whose

"Ah! well I know the loveliest flower, The fairest of the fair, Of all that deck my lady's bower, Or bind her floating hair.

"Not on the mountain's shelving side, Nor in the cultivated ground, Nor in the garden's painted pride, The flower I seek is found

Where time on sorrow's page of gloom Has fixed his envious blos Or swept the record from the tomb, It says, Forget-me-not.

"And this is still the loveliest flower, The fairest of the fair, Of all that deck my lady's bower, Or bind her floating hair.

The Forget-me-not grows on the banks of the Avon, and an English writer has compared its rich color to the eye of his beloved:

"To flourish in my favorite bower,
To blossom round my cot,
I cultivate the little flower They call Forget me not.

"It springs where Avon gently flows. In wild simplicity,
And neath my cottage window grows,
Sacred to love and thee.

"This pretty little flow'ret's dye, Of soft corrulean blue,
Appears as if from Ellen's eye
It had received its hue.

"Though oceans new betwirt us roar. Though distant be our lot, Ellen though we should meet no more, Sweet maid, Forget-me-not!"

We have also observed the Forget-me not ness, and had formed new wood above their what was left undone thirty or forty years of the shallow Dearne, as it winds along its things provided for him. Whenever a bug would plant in every good garden.

bears its name, in Yorkshire; but no where have we seen it so abundant and in such luxuriance as on the classic banks of the Cam and the Granta, along with the yellow Water (Iris pseudo-acorus); and in the moist ditches of the fields adjacent to them, in Cambridge-

The generic name Myosotis, is compounded of two Greek words, signifying mouse ear, to which its leaves are thought to bear a close resemblance. It flowers profusely during the months of June, July and August; and the lower part of the stem, which is from one to two feet high, is generally below the surface of the water. The whole plant is covered with soft, white depressed hairs. The Germander Speedwell is frequently mistaken for it, but a comparison of the two will immediately show the difference; and the distinctions once noted are not likely to be forgotten.

The Forget-me-not, which was formerly known as Mouse-ear Scorpion Grass (Myosotis palustris), belongs to the Linnæan class Pentandria and order Monogynia, and is included in the Natural system in the order Boraginea .- The Wild Flowers of England.

French Mode of Raising Tomatoes.

The best French gardeners are quite particular about stopping their plants, so that as nice a balance may be maintained between fruit and leaves as in a peach tree. They are not satisfied with mero topping as soon as there is plenty of flowers, and of pinching off laterals afterwards. Their method is this .ers, and their rich golden centres, render As soon as a cluster of flowers is visible they the curled extremity of the stem, where they sap is immediately impelled into the two buds troit. foot-stalks, their appearance is truly beautiful; push strongly, and presently produce another ous as to form a sort of fringe on the margin are visible the branch to which they belong of a rivulet, as we have seen them, words is also topped down to their level; and this cannot convey an adequate idea of the effect. is done five times successively. The effect is They are, in truth, very ornamental to our to form stout dwarf bushes, not above eighstreams and ditches, and cannot fail to win fa- teen inches high. In order to prevent their falling over, sticks or strings are stretched horizontally along the rows so as to keep the plants tolerably upright. In addition to this, all laterals that have no flowers, and after the The incident already referred to as having fifth topping, all laterals whatsoever are niprendered this flower so well known, and which ped off. In this way the ripe sap is directed we are told gave riso to its present name, is into the fruit, which acquires a heauty, size, Danube. -Two betrothed lovers were stroll- and we are assured that fourteen pounds of ing along, on a pleasant summer's evening in ripe tomatoes per plant, is no very unusual

> fall below 50°, with a mean heat in the warmest month of 77° .- Gardeners' Chroni-

HORTICULTURAL NOTES.

Grafting the Vine.

From a series of experiments, related in the London Gardener's Chronicle, a conclusion is deced that by grafting the vine, when in its state when the operation is performed after the buds of the vine have burst into leaf, when no bleeding takes place, the flow of sap being then readily ta-

Farfugium Grande.
This plant has won its way, during the last two

years into nearly all the conservatories of Great Britain, "As a decorative plant for the green house, all the year round," says a correspondent of a London paper, "it cannot be surpassed." Its bright green shining foliage blotched with beautiful yellow has an excellent effect, and renders it a good substitute for flowers. As a contrast with middle of September, and when the plants scarlet geraniums, its effect is very fine and most attractive. As a house plant it is extremely valuable, as it stands close confinement with remarka- thinned so that they will stand from eight to

Toads and Squash Bugs.
The Ohio Farmer relates the following relative

to the uses of the toad in gardens:

"Observing a toad, one day, beneath a squash vine, we saw him thrust out his tongue, and capture a squash bug—Coreus tristis. As the smell of this insect is anything but fragrant, we naturally thought the toad's conception of the agreeable was different from ours. We cut from the vine a leaf, on which there were a number of bugs, and laid it before him, and it was really droll, the way he turned his head and looked at us. In a few moments he gave a hop nearer the leaf, they do before any other kind can be had, then out went a bug. Again and again this was repeated, until none were left. The gourmand

crawl to the top, the eyes of the toad would kindl and his whole form partake of the excitement. Then he was really handsome, in our eyes, and we really wished that his race would give over eating bees, and take exclusively to bugs, and other noxious insects.'

The Curculio on the Peach.

The Ohio Valley Farmer notes that an extensive peach orchard owned by John Loughry of Rockville. Ohio, has been almost deprived of its entire crop this season by the ravages of the curculio .-This, bowever, occurred principally in an old orchard. In a young and new oechard, the insect did not work, and a good crop was taken from it.

Bulbs.

Those who are desirous of having a good display of bulbous roots and flowering plants should make their preparations now, by getting their beds ready, and setting out the roots. One of the very first requisites in making a bed for bulbs, is to have the soil light, rich, friable, rather inclined to sand, deep and dry. Nothing adds so much to the appearance of a garden in the early spring as a good many clusters of the Hyacinth, the Daffodil, the Narcissus and the Tulip, especially the latter. To give them time to get set and fairly started, these should all be in the ground by the first week in September at the latest. Some two years ago we published a list of very choice varieties of different colors which we had noted whilst in flower in the large collection of Mr. J. Dougal of Windsor, C. W. We reprint it at this time, as it may serve as a guide to some of our readers who may feel disposed to make a selection for the purpose of setting out this season, and we commend them to Mr. Dougal for farther information, them individually an object to be admired; top the stem down to the cluster, so that the as he has one of the most extensive collecand as they gradually unfold themselves at flowers terminate the stem. The effect is that tions of Tulips in the neighborhood of De-

The list is as follows:

1. Rose Domingo, large, lilac stripe, with nuch white.

2. Reine des Violettes, white and purple,

3. Waterloo, a dark manogany shade.
4. Romeo, a rose tulip, large blossom.
5. Georgius tertius. light rose color, with muc white.
6. Seeker, and Semper Augusta—both yel-

low with deep mahogany stripes.
7. Whittaker's White, white and large, with

a very perfect flower.

8. Albecque, white, with lilac stripes.

9. Catafalque, a very dark crimson.
10. Finlayson's Hampden, a dark crimson, well shaded.

11. Bizarre Incomparable, a dark red with yellow stripes.

12. Passay's roi de Congo, a very hand-

some flower, very yellow.

13. Cecilia, white, and light crimson.

14. Washington, a bybloman of deep pur-

DOUBLE NARIETIES. 15. The Double Scarlet, very handsome,

and necessary.
16. General Warranschoff, a double yel-

17. Blanc Brodee Pourpre, very handsome,

purple and white.

18. Bonaparte, bright crimson rose. 19. Violet a tonia, rich full flower, of a vi-

20. Dougall's Bonaparte, yellow and dark

Spinach.

Those who desire to have early greens must now get ready their ground for the sowing of the winter spinach. The spinach should have a good, deep, dry, rich soil. Any ground in the garden from which a crop has been cleared and again well manured, will grow spinach. The market gardeners mostly sow it broadcast, but drills are the best, as they permit the ground to be weeded and losn although it is not a crop mu of vegetation is such that bleeding ensues, the con troubled with weeds, or which is difficult to sequence is a complete failure; on the contrary, keep clean. As the chief merit of the spinach is in the tenderness and succulence of its leaves, any method that will promote that ken up by the foliage, complete success is the re- at a time when there are no other greens or fresh vegetables to be had except those grown under glass, should be followed. High manuring promotes this.

The drills of the spinach when sown should be an inch and a half deep and two feet apart, each plant being thinned to the distance of eight inches or a foot apart. The seed for this crop should be sown not later than the come up and seem too thick, they should be twelve inches apart in the rows. The thinning is mostly done in the latter part of October. The kind to sow for spring crops is the prickly spinach. There are a few other kinds but they are not so hardy, and do not stand our winters as well.

The leaves of the spinach are alone used for cooking purposes, and when pulled in the spring it is the lower ones that are always to be taken off first. They are cooked by boiling, and are served up as greens; coming in as they are very grateful to the palate. A small

FOREIGN AGRICULTURE.

Steam Tillage in Europe and America.

FROM THE COUNTRY GENTLEMAN.

[For the following remarks on this subject, including a full description of Mr. Fawkes new Steam Plow, we are indubted to President Kennedy of the Polytechnic College, Philadelphia:]

In common with many who have had the good fortune to be present at the 5 days' public exhibition of Fawkes' Steam Plow just closed, I have been reminded by the scene, of ton's pioneer steamer on her experimental voyage to Albany. The two events have indeed many points of resemblance. That was the dawn of the era of successful steam navigation. Half a century has rolled round, and we stand at the opening of the grand eventful era of steam cultivation. One Pennsylvanian triumphed over the tempest and the tide .-Another now triumphs over the wasteful powers of the wilderness, and rides the conqueror of the prairies. Verily, Lancaster

claim too much. It is not contended by Mr. roller. Attached to the frame in front Fawkes or his friends that he is the first to of the boiler, and tapering forward and only one cow or heifer of the latter breed. conceive the idea of applying steam to the slightly upward, like the bow of a cultivation of the soil. There was, if I mistake not, a steam plow at the London Exhi. Here is also a seat for the fireman, the whole They were of less size than any other cattle bition of 1851. But it awakened no atten- bow resting on two guide wheels of fifteen tion. Farmers went there, not to see it, but to see M'Cormick's American Reaper! In to the under side of the frame, as frequently all the magnificent palace of industry, that seen in locomotives, and on each side of the was the grand agricultural attraction. Well upright boiler, are the cylinders, each nine do I remember hearing a jolly English farmer, inch diameter, and fifteen inch stroke, the as he stood with his hands in the pockets of piston rods of which are so geared to the his "box coat," surveying the reaper, say, crank of the roller that it revolves once for "Twill be a pretty good sort of a thing after every six strokes of the piston. Great reguwe've improved it." How I might have retaliated by going over to the English steam plow and saying the same thing. But America backwards and forwards, are secured by this has done far better than to improve on an English model. Mr. Fawkes has invented a machine, new in principle, and distinct in its mode of operating. Let me explain. The great difficulty in the way of success in plowing by steam, is expressed in one word, TRAC-TION. The English early tried two broad tired driving wheels, but these sank too deeply into moist and loose soil, and of course failed. Mr. Boydell, who deserves immortality for his unceasing efforts and liberal expenditure. conceived the novel idea of running his engine on rails, to be laid down and taken up by the engine itself. This he accomplished by hinging seven or eight stout, flat, wooden prairie plows is suspended; a wheel on the rails together by both ends, so that they would form a polygon, outside and in the same plane with the driving wheels, and revolving with them, each rail in turn being laid down ving wheel as the latter rolled over it. In this very ingenious way Mr. Boydell gets traction, but at a great expense of power. Mr. Bray, another Englishman, adopts a similar plan. Owing probably to the high cost, on soil, the English Agricultural press have, an incline of about seven degrees. They were effects frequently ascribed to the practice.during the last year, practically abandoned and have advocated the inventions of Fowler, Williams and Smith, on the cable principle. The engine is similar to our powerful portawith a drum revolving horizontally between miles an hour, and the united furrows were 9 tender with a similar drum is placed in the next corner, and over the drums of both engine and tender an endless wire rope passes. To this rope a gang plow is attached, which by the revolution of the rope, is made to travel between the engine and tender. These are moved regularly down the opposite margins of the field which is thus gradually plowed. The other cable machines slightly differ from Fowler's, by having the cable to pass entirely round the field, instead of across it. S rith's chine costs \$2,800 at the factory, will plow four men and a boy to attend it.

of the grand trial of steam plows, for the prize of the Royal Agricultural Society of England, just held at Warwick. We have therefore the latest reliable information of the performances of the best English machines.— But one traction engine competed, that of To conclude: The American machine will

sums expended on it."

The prize was awarded to Fowler's cable of an acre per hour.

DESCRIPTION OF FAWKES' AMERICAN STEAM the description given of the starting of Ful- PLOW .- The body of the engine consists of one horizontal, quadrangular frame of iron, about twelve feet long by eight wide, which rests upon the axles of a roller. This roller which is six feet in diameter, and six feet long, is the driving wheel of the engine. In front of the roller, and bolted with the frame, is dome and pipe, and so constructed that steam may be got up in fifteen minutes. Thirty minutes, however, are usually required. Over and behind the driving roller is the water county, proud as she is of her Calhoun and tank, which is of the entire width of the en-Buchanan, will be prouder still of her Fulton gine frame, contains twelve barrels, sufficient and her Fawkes, whose birth places are but to supply the boiler for five hours, and is so 12 miles apart, and within her wide borders. situated that when it and the boiler are full, Let us not, however, amid our exultation, they counterbalance each other upon the boat, is a sheet iron receptacle for coal.inches tread, and four feet diameter. Bolted larity of motion, increase of motive power, and control over movement of the engine arrangement, while the guide wheels, which may be turned at pleasure, by a steering wheel in charge of the engineer, almost at right angles, under the bow of the machine, permit it to turn in a circle, the radius of which is equal to the length of the engine, eighteen feet. By a small independent "donkey engine," which is placed between the tank and the boiler, the latter may be filled from the former, or the tank itself be through a hose supplied from a well or brook. Into the beams projecting from the rear of the Foscote, near Towcester, Northamptonshire, engine, pulleys are let, over which chains pass, whereby a gang of eight fourteen inch beam of each plow regulates, as usual, the depth of the furrow, and the whole gang may be raised or lowered by a lever within the reach of the fireman, who, with the engiwork the engine and plows.

The machine was tested on timothy sod which had not been plowed for seven years. which divided by the number of feet in an acre, gives almost exactly 4 3-10th acres per

Allowing for the time lost in turning, and all other necessary delays, the engine proved itself fully capable of plowing thirty acres a day. The amount of fuel required being, according to the engineer, a half ton of coal, or the equivalent in wood. The plow was run over gullies and abrupt elevations, and stood every test in the most satisfactory manner .machine costs about \$2,500 at the factory, Its performance proved its perfect adaptation will plow seven scres a day, and requires the to prairie cultivation, and to the tillage of attendance of an engineer, aix men, and a large fields. By a very simple arrangement, horse and cart to bring water. Fowler's ma- the roller, which is composed of wooden staves bolted to open iron heads, may be lifted from eight acres a day, and requires an engineer, the ground, and geared, directly to the piston rod. It thus becomes a rapidly revolving drum, As I write, the mail brings me the report over which a band is passed, and the whole converted into a farm engine for driving saws, thrashing machines, sugar and grain mills, &c. This ready conversion of a plowing locomotive into a farm engine, multiplies vastly

the uses of the machine. ving wheels, and therefore need not be de- prize machine may be made to plow three-

in the same time that Fowler, with five machine, "for the most economical applica- men and a boy, will plow one. That this is tion of steam power to the cultivation of the the "most economical" of English machines land." For the purpose of comparing the is attested by the highest authority; but we best English steam plow with the American, I guess that an American farmer would place a quote from the same report, that "on a stiff, plow and a pair of horses each, in the hands badly drained piece of seed land, having an of "five men and a boy," and beat Mr. Fowler incline of one foot in ten, it broke up 2 long before sunset. Let then the record stand, roods, 16 perches per hour, at a depth of that at the present time the only economical about six inches," that is exactly three-fifths and practical application of steam to tillage, is of American invention.

The Great English Agricultural Show.

BY SANFORD HOWARD, OF THE BOSTON CULTIVATOR.

My last, written in great haste, I think closed with some mention of the Long-horn cattle exhibited at Warwick. There were some other rare breeds represented. An the boiler, which is upright, surmounted by a Angus bull (polled) though scarcely as handsome as some of the breeds I have seen, was of great weight and substance. Col. Pennent, of Penrhyn Castle, near Bangor, exhibited a black (horned) bull of Welsh breed (particular variety not mentioned) which was one of the heaviest bulls on the ground, and of excellent shape and quality. There were several handsome cows and heifers of the Norfolk polled breed, a few of the Sussex, several Jersey and Channel Islands bulls, but A couple of heifers in milk, of the Bretonne breed, from France, attracted great attention. I ever saw, not being scarcely larger than ordinary calves of two months old, black and white in color, very pretty in form, and with almost the delicacy of skin and hair of an Italian greyhound. They were the admiration of the ladies, who seemed almost inclined to adopt them as pets in the place of lap-dogs.

The sneep classes were perhaps better than last year. In the South Downs, Jonas Webb is again in the field, and as might be expected his presence is obvious. The Duke of Richmond, however, takes the first prize on rams, Mr. Webb taking the second and third. The Leicesters appear to have rather more substance than those shown last year, but have very little muscle, in general. A by-stander remarked in regard to one of the prize rams, that "he had no leg of mutton." Some of them have even more clear fat in proportion to the lean meat, than well-fattened swine usually have. Some animals shown in this class by Mr. Valentine Burford, of were regarded with interest. They are said by Mr. B. to have been bred entirely from the flock of Robert Bakewell and his nephew Mr. Honeybounce, from the year 1783 to the present time, and he presents a table comprising the pedigree of every ram used in the flock in that time. Mr. B. believes that in front and taken up behind its proper dri- neer, constitue the entire force needed to Mr. Bakewell obtained the best model of a will unquestionably follow. sheep for making most meat at least expense. and he has therefore been desirous of preserving it. In regard to his course of breed-At a given signal from the whistle, the fire- ing, he says: "This flock being bred from man lowered the plows to the ground, which the nearest affinities-commonly called ingreat loss of power and expense of working having entered, they were drawn forward up and-in-has not experienced any of those ill lifted promptly at the margin of the land ap- The males have been paired on principles the idea of using traction engines for tillage, propriated to the trial, the machine turning upon which it is believed that improvement easily; again they were lowered and the depends; have been kept entirely in a state plowing resumed, in as short a tim) as could of nature; fed on vegetable food only (grass, have been done with a single plow and a pair hay and roots;) and are open for inspection ble farm and saw-mill engines, and is provided of horses. The mean rate of speed was four at all times of the year.', He thinks this is in this respect improvement may be assumed. Indiana Agriculture. the only flock in the kingdom that can present I was informed that the performance of the the four wheels. This engine is placed, for feet 4 inches wide; a strip four miles long, 9 an unbroken pedigree from the time and stock plowing, in one corner of a large field, a feet 4 inches wide, equals 197,120 square feet, of Bakewell. The sheep shown by Mr. B. had just been shorn, as closely as possible, in order to show their natural shape-a plan quite opposite to that generally employed here, by which the animals are "clipped into H. H. Peters, Esq., of Southborough, and shape," as it is called, and by which the eyes of superficial observers are often deceived. Mr. B.'s sheep were certainly very handsome corresponding more nearly to the rules laid Lawrence Drew, of Merryton, near Hamilton, down by Bakewell than any other sheep I have seen. They were not overloaded with ins, near Glasgow, and others in that vicinity, fat, and their flesh seemed quite firm, having John Parker, of Netherbroomlands, Irvine a better proportion of muscle than some other Leicesters. They were not large, but of fine size. The chief fault which I noticed in them, was the neck being set rather too Tarbolton, and other Ayrshire herds. With low on the shoulders. I could not, of course, the stock (seven full-bloods) which Mr. Pe-

it appeared to be very thick set. Northleach, is the leading prize-taker. The ses. Oxfordshire Down (not "New Oxfordshire,"

Downs is fully supported on a re-examina-

Two or three Merino rams were exhibited and seemed to be regarded by the crowd as curiosities-not one person out of a thousand perhaps, of those at the show, having ever seen a specimen of this breed before.

The swine were numerous, and generally good, though those of enormous size were not so common as at the Chester show last year. The Essex, or that variety of it bred by Thomas Crisp, of Butley Abby, Suffolk, and others, were generally the best of the medis where the drouth has been much more seum-sized stock. There were some good Berkshires, and some very pretty specimens of the Tamworth breed-the color brownish. island, must be nearly a failure in Scotland. red with small black spots. White pigs, of the Suffolk, Yorkshire, and Cumberland beeds, were numerous, and in many instances very good.

In regard to horses, those in the agricultural classes were considered better than at Chester. Some of them were of wonderful size—upwards of 2,000 lbs.—and of good The Cleveland Wool Fair. symmetry; but it is difficult to see why such immense animals should be used in agriculture. Those of less weight and more activty would generally be more profitable. The Suffolk horses, though what would be called very heavy in our own country, are not of the heaviest class, and are considered well adapted to farm purposes. There were some fine ones in the show. The mare which took the first prize, belonging to Mr. Charles Frost, near Ipswich, Suffolk, was superior to any of the breed I have seen before. Several of the entire horses in this class were very good, but in point of symmetry and in activity, they do not seem equal to the Clydesdales of Scotland. Such, at least, is the conclusion I have come to so far as I have an opportunity for compar-

Prizes were offered for thoroughred stallions for getting hunters, and several specimens were brought out. They were mostly long-shanked, broken-kneed animals, of rather elegant outline, ond apparently of high nervous energy, but wanting in hardiness and substance. They may get hunters, but there is nothing about them to justify the idea that they would get good roadsters.

Prizes were also offered for the best mare for breeding hackneys, and some very good animals were brought out, but nothing like what could be seen at almost any county show in Vermont, or like what Essex county, Mass., brought out last year-either in numbers or quality. The fact is, the Yankees are decidedly ahead of John Bull in this kind of stock, however behind they may be in others. I see evidence of this fact wherever I go, and even the English themselves are becoming aware of it. They are turning their attention to the use of American trotting blood judicious selections are made, good results

A long line of "ponys" competed for prizes. Some of them were splendid little animals for which almost fabulous prices were asked, and in some cases paid—as high as £75 to £100 each.

The implements as arranged in sheds with avenues between, might have been measured by miles, but a minute examination of them would have been a work of immense labor be somewhat simplified since last year, and cattle and horse breeders. steam plows and cultivators was more satisnot the opportunity to witness the trial.

I mentioned last week that I had just shipped twenty-three head of Ayrshire cattle for nine Black-faced Mountain sheep for Isaac Stickney, Esq., of Boston. The cattle are from the best herds in Scotland-as that of Lanarkshire, Geo. Richmond, of Scotson Mulvie Campbell, of Dalgig, near New Cumnock, Jas. Craig, of Polquheys, near New Cumnock, John Mickle, of Brownhill, near iudge of the quantity and quality of wool, but ters already has on his farm, this lot will probably constitute the largest herd of Ayrshires The Cotswolds were out in all their at- in America, and it is to be hoped that his tractions—enormous size, and a fatness and trials of the breed, with other experiments weight of carcass which their legs could that are going on, will settle the question of hardly support. Mr. Garne, of Aldsworth, their adaptability to our climate and purpo-

I may mention in this connection, that I which some wooden-nutmeg chaps in America have been fortunate in having had the assist-Mr. Romaine, which is a return to the old easily and regularly plow three acres an hour, talk about,) made a fine display. Mr. Samu- ance of Mr. Thomas Bell, of the Adelphi Staand very properly discarded plan of two dri- with the aid of two men. Fowler's English el Druce, of Eynsham, near Oxford, takes bles, Liverpool, in the shipment of stock, both the first prize for aged rams. The Shrop- this year and last. Mr. B. has had much ex- less inclined to ramble, for a part will not go scribed; especially as the report says it is fifths of an acre an hour, with the attendance shire Downs look well, as do many of the perience in this business, has thorough prac. off and leave the bells,—Homestead.

"practically inefficient, even after the vast of five men and a boy. That is to say, Hampshires. My opinion of last year on the tical judgment in all matters pertaining there-Fawkes' with two men, will plow five acres value of the Shropshire and Oxfordshire to, and I think I am doing a service to my countrymen who may engage in the importation of live stock, by recommending Mr. Bell as every way qualified to carry out their wishes.

The hay crop is now chiefly secured in the kingdom. In some parts of England, where timely showers fell, it is pretty good, though hardly an average. In Scotland and most parts of Ireland, it is the lightest crop that has been had for upwards of thirty years.-Wheat looks well generally, in England, and the same may be said of oats, but in Scotland. vere, these crops must be light-oats very light. The turnip crop, so important in this

The weather has been very hot for this country-thermometer 80 degrees in the shade. Yesterday there was much thunder with rain and considerable hail, which did some damage to the crops.

FARM MISCELLANEA.

The only Michigan exhibitor we see noticed at the Cleveland Wool Fair is J. P. Gillett, of Sharon, in Washtenaw county, who had a lot in the class of Clothing or Felting wools. We perceive by the notice we take from the Ohio Farmer, that will be found in another column, that most of the wools shown were from Ohio. Indiana wool predominated after Ohio.

The London Horticultural Society. Arrangements have at last been perfected by which this Society are to have a lease of the grounds at Kensington Gore, near London, and a fund of \$250,000 raised by government debentures, to make and establish such ornamental gardens and grounds as shall be adapted to the wants of the Society .-Included in the design is a great winter garden that shall exceed anything of the kind that has yet been attempted in any public institution.

Shoeing Horses for Over-reach.

I am a young farmer, though an old man. I worked thirty-five years at blacksmithing, and now have to learn how to farm. I have noticed what has been said in the Ohio Cultivator about shoeing horses for over-reaching. I have tried all possible ways to prevent it, by shoeing short, setting the side under the hoof, using a thick-sided shoe, heavy and light shoes, etc., and found in long and straight sided shoes the only remedy for cutting the quarter-for the simple reason that as the horse raises his fore foot, the long shoe is higher from the ground behind, and the hind foot passes under and just misses it .- E. C., in Ohio Cultivator. Sugar Cane.

A correspondent of the Ohio Cultivator writes from Union county in that State, "The Sugar Cane crop is not what it would have been if the people had been posted by readfor the improvement of their roadsters, and if ing the Cultivator. The farmers planted from one-fourth to an acre, plowed too shallow, covered the seed entirely too deep, without soaking, consequently one-half failed to come. Then instead of transplanting from hills that had too much in have stowed the missing hills with corn, to choke the balance. There are a few exceptions that look very well."

Large Premiums.
The Indiana State Society offers, at the fair of the present year, \$250 as the first premiums on horses and cattle. These are very large premiums, but Governor Willard, of I noticed no special novelties in this line. The that State, recommended that sum as likely machines for steam cultivation appeared to to draw out large competition from the best

We note that the editor of the Indiana Farmer is urging very strongly the establish. factory than on previous occasions. I had ment of an Agricultural College in that State, by means of a stock company with shares fixed at fifty dollars each.

Sheep Bells a Preventive against Dogs.

In these days when the dogs outnumber

the sheep, and their value appears to be in an

inverse ratio to their numbers, that is, the more numerous the dogs the less valuable and more dangerous they are, while the scarcity of sheep has operated vastly to increase the profit to the farmer on the few that remain, for lamb and mutton have now become luxuries, it is a question with farmers whether they can keep sheep at all. The dog power is continually on the increase, and the danger from losses deters many from making investments in new and valuable breeds of mutton sheep whose flesh is a real luxury, while it is at the same time the healthiest and most convenient meat that the farmer can raise for the supply of his table. If we cannot con-

trol the dogs, we can adopt some partiul remedies against them. Small bells can be obtained at the hardware stores for about one dollar a dozen, and several of these-should be attached to every flock. We have not lost a sheep for several years, and impute our safety to this precaution. They also serve to keep the flock together, and, if the most quiet are selected to wear the bells, they become

1859. ELEVENTH FAIR. 1859.

ANNUAL EXHIBITION

Michigan State Agricultural Society.

Open to Competition from all States.

The list of premiums offered by the Society is the largest and most extensive that has ever been offered in Michigan.

Premium lists may be had on application to the

Exhibitors will be required to purchase an exhibitor's ticket before making entries of stock of any kind. An exhibitor's ticket is not transferrable, and will permit entrance and exit to the party only who has made the entry, and to no other

person.

Exhibitors of stock, who enter more than one animal will be required to pay fifty cents additional, as an entrance fee for such other stock.

Entries may be made at any time previous to the Fair at the office of the MICHIGAN FARMER, 180 Jefferson Avenue, Detroit.

The Buildings and Fixtures.

1. The Floral Hall will remain of the same size it was last year, being one hundred feet long and fifty feet wide, and its decoration will be placed in the hands of E. St. Alary, Esq., whose tasteful designs gave such universal satisfaction at the Fair of 1858. It will be mainly devoted to the display of Fruits, Flowers, Musical Instrumenta, and Articles of Ornament.

Fruits, Flowers, Musical Instrumenta and Articles of Ornament.

2. The Hall of Art is to be a new building, octagon in shape, with windows in the roof. Here will be displayed the collections of paintings, engravings, statuary and other works of art. This building will be shingled, and weather tight.

3. The Hall of Mechanics will be extended in length and width, so as to afford ample protection to all carriages and mechanical designs, and will be supplied with steam power.

4. The Hall of Agriculture will remain of the size it was in 1858, being one hundred feet long and thirty feet wide, and will as then be devoted to the display of seeds, vegetables, household productions, bread, butter, honey, sugar, &c.

5. The Hall of Manufactures will be extended and made fifty feet wide, with a good shingle roof that will protect all goods from the changes of the weather.

6. The Poultry House will be large and extendent.

GENERAL PROGRAMME.

Tuesday -- First Day -- Entries.

The Fair Grounds will be thrown open for mem bers and visitors at 8 o'clock, A. M. Entries will be made at the Secretary's Office on the grounds desired the desired the desired the secretary of the secretary of

during the day.

All persons who have been appointed members All persons who have been appointed members of the Viewing Committees are requested to report themselves at the Secretary's Office on the grounds, where they will receive their tickets, and their names will be registered.

The Gates will close at 7 o'clock P. M. of each

Wednesday -- The Examination of Cattle-The books of the several classes will be deliver ed to the chairmen of the several Committees, who

The books of the several classes will be delivered to the chairmen of the several Committees, who will report themselves at the President's Stand between the hours of eight and nine, when the books are delivered, the committees will immediately commence their duties; except in cases where there are special directions.

The examination of Cattle will commence at eight o'clock in the Amphitheatre, and the judges on Shorthorns will be expected to be ready at that time. Exhibitors of Blood Cattle are requested to have them in readiness as called for by the Marshalls. The examination of cattle will proceed throughout the day, both in the Amphitheatre and the cattle rings, Special daily Programmes will designate the order of arrangement, and what classes shall be examined in the cattle rings and what in the amphitheatre.

No trotting or driving on the track will be permitted on this day before three o'clock, P. M.

At three o'clock, P. M., the Committee on Trotting stock will call up in their order the three year olds and all stock under that age, and should these classes be passed upon, then the Black Hawk and Morgan classes of three years old and all under that age.

Thursday -- Horses.

The Committee on Horses for All Work will occupy the Amphitheatre at eight o'clock.

The Committee on Trotting Stock, will occupy the track and position at the grand stand, and when it has passed upon this class, the Committee on Black Hawks and Morgans will occupy the same position. All cattle that have not been examined on Wednesday, will be examined in the cattle rings on this day.

Examinations will proceed till two o'clock, P.M. At three o'clock, the Annual Address will be delivered before the Society by His Excellency Governor N. P. Banks, of Massachusetta, On the close of the address, the examination by the View.

close of the address, the examination by the Viewing Committees will be resumed. The Committees will hand in their reports as soon as possible after closing their examinations.

Friday -- Last Day -- Awards

All stock that have not been examined on the previous days of the Fair will be viewed and passed upon during the morning of this day.

The awards of premiums will be announced.

The election of officers for the ensuing year will

take place.

The stock will be removed. And all stock that may be brought for sale will be offered at auction an auctioneer being on the ground for the purpose

Membership tickets \$1.00. Each membership ticket will be delivered accompanied by four single entry tickets. A membership ticket is not an admission ticket.

admission ticket.

Tickets of admission will be sold at the Trea surer's Office beside the gates, at 25 cents each.

Carriages admitted as follows: Each single horse carriage 25 cents; each double carriage and driver 50 cents; each person in any carriage must have single tickets.

R. F. JOHNSTONE, SECRETARY, PRESIDENT.
Office of the Michigan State Agricultural Society,
Detroit, August 1, 1859.

NEW ADVERTISEMENTS.

NALL, DUNCKLEE & Co., Detroit, Dry Goods, John Chilcort, Jr., Brooklyn,...Rats.

ANSWERS TO CORRESPONDENTS.

E. G., of Gyodrich.—We do not know of any Agricultural paper published in Texas.

STATE FAIRS FOR 1859.

Illinois, Freeport, Sept. 5–9. Vermont, Burlington, Sept. 18–16. Kentucky, Lexington, Sept. 13–17. Ohio, Zanesville, Sept. 20–23. Indiana, New Albany, Sept. 26–30. Iowa, Oskaloosa, Sept. 27–30. Canada West, Kingston, Sept. 27–30. Connectiont, New Haven, Oct. 11-14. Michigan, Detroit, Oct. 4-7. Maine, Augusta, Sept. 18-16. New York, Albany, Oct. 4-7. New Jersey, Elizabeth, Sept. 20–23, Wisconsin, Milwaukee, Sept. 26–30. National Fair, Chicago, Ill. Sdpt. 12–17. Missouri, St. Louis, Sept. 26, Oct. 1. New Hampshire, Dover, Oct. 5-7. Tennessee, Nashville, Oct. 5-7. Georgia, Atlanta, Oct. 24-28. Maryland, Frederick City, Oct. 25–28. Alabama, Montgomery, Nov. 15–18.

COUNTY FAIRS FOR 1859.

Macomb, Utica, Oct. 10-12, John Wright, Sec'y. Lenawee, Adrian, Oct. 5, 6, A. Howell, Sec'y. Northern Lenawee, Tecumseh, Sept. 21, 22. Barry, Hastings, Sept. 29, 80, D. Striker, Sec'y. Oakland, Pontiac, Oct. 12, 18, M. W. Kelsey, Sec'y. St. Joseph, Centreville, Sept. 28-80, D. Oakes, Sec'y. St. Joseph, Centreville, Sept. 28-30, D. Oakes, Sec'y. Genesee, Flint, Sept. 28, 29, T. H. Rankin, Sec'y. Allegan, Allegan, Sept. 28, 29, H. S. Higginbotham, Sec'y Jackson, Jacksun, Sept. 28-30, D. Upton, Sec'y. Kent, Grand Raj ids, Sept. 28-30. B. Unidon, Sec'y. Berrien, Niles, Sept. 27—29., R. W. Landon, Sec'y. Hillsdale, Hillsdale, Oct. 12, 13, F. M. Holloway, Sec'y. Landon, Landon, Sec'y. Landon, Sec'y. Lapeer, Lapeer, Oct. 18–20, H. Loomis, Sec'y. Lenawee, Adrian, Sept. 27, 28. Lenawce, Aurian, Sept. 21, 22.
Cass, Cassopolis, Sept. 21, 22.
Lonia, Ionia, Sept. 29, 30, H. F. Baker, Sec'y.
Van Buren, Paw Paw, Sept. 29, Oct. 1, O. H. P. Sheldor
Sanilac, Lexington, Sept. 27, 28, C. Waterbury, Sec'y.
Washtenaw and Wayne Union, Ypsilanti, Sept. 28–30. and made fifty feet wide, with a good shingle roof that will protect all goods from the changes of the weather.

6. The Poultry House will be large and extensive euough to accommodate all exhibitors.

7. The pens for the sheep and swine will extend along the west fence of the grounds.

8. The Stables for the horses will extend along the west side of the track on the inside for about eight hundred feet, in a double row, each stall to be five feet wide and ten feet deep, and provided with a feeding box and manger.

9. The Cattle Sheds will extend along the north end of the ground, and to be 1800 feet in length in two or three separate ranges.

10. The Amphitheatre will be remodeled and improved, and rendered as attractive by the display of cattle and horses as it was last year.

11. Cattle rings will be erected for the display and examination of cattle during the fair.

12. A grand stand, capable of containing two thousand persons will be erected in front of the judge's stand, on the north side of the track, that ladies may have full opportunity to witness the display of horses.

Cass. Cassopolis, Sept. 21, 22.

Van Buren, Paw Paw, Sept. 29, 90, th. 1, D. H. P. Sheld Sanliac, Lexington, Sept. 27, 28, O. Waterbury, Sec'y. Shiawassee, Corunna, Sept. 29, 30, P. S. Lyman, Sec' Show, Kalamazoo, Oct. 11-14, G. F. Kidder, Se Eaton, Charlotte, Sept. 26-28.

Calhoun, Marshall, Sept. 29, 20, L. 1, S. Lewis, Sec'y. Calloun, Marshall, Sept. 29, 50, P. S. Lyman, Sec' Shiawassee, Corunna, Sept. 29, 50, P. S. Lyman, Sec' Shiawassee, Corunna, Sept. 29, 50, P. S. Lyman, Sec' Shiawassee, Corunna, Sept. 29, 50, P. S. Lyman, Sec' Shiawassee, Corunna, Sept. 29, 50, P. S. Lyman, Sec' Shiawassee, Corunna, Sept. 29, 50, P. S. Lyman, Sec' Shiawassee, Calloun, Marshall, Sept. 27, 28, D. Washtenaw and Wayne Union, Ypsilanti, Sept. 29, 50, P. S. Lyman, Sec' Shiawassee, Corunna, Sept. 29, 50, P. S. Lyman, Sec' Shiawassee, Corunna, Sept. 29, 50, P. S. Lyman, Sec' Shiawassee, Corunna, Sept. 29, 50, P. S. Lyman, Sec' Shiawassee, Corunna, Sept. Shlawassee, Corunna, Sept. 29, 30, P. S. Lyman, Sec'y. Horse Show, Kalamazoo, Oct. 11–14, G. F. Kidder, Sec'y. Eaton, Charlotte, Sept. 26–28.

MICHIGAN FARMER.

R. F. JOHNSTONE, EDITOR.

Preparations for the State Fair.

There never has been a season in which the preparations for the Great Annual Exhibition have been so far ahead, or were in such a state of forwardness as at present. Already the long ranges of horse stables and cattle sheds are in such a drovers, brokers, butchers, and in the long state that their dimensions and outline are run injures both producer and consumer, as perceptible. Some have already been furperceptible. Some have already been furnished, and for neatness and accommodation, cannot be surpassed. The ranges of pens for sheep and swine are nearly completed and are ready to have their roofing put on .-To show what the preparations are, that are now going forward, we will give the amount of material required, and which includes altogether about 50,000 feet belonging to the Society that was left from the shedding of away during the winter:

	1. For the horse stalls, two rews 800 feet long, each stall 5 feet wide with partitions		
	8 feet high	64,800	feet.
-	2. Cattle sheds 1,800 feet long, with posts firmly set in the ground	89,000	44
	pen 10 by 8, 8 feet roofs	18,090	"
١	Arts	8,000	6.6
ı	5. Addition to Mechanics Hall	8,000	44
١	6. Extension of Manufacturers Hall	8,480	66
1	7. Treasurer's Office	1,500	
	8. A Cattle Ring 200 feet in diameter	1,000	44
-	Total amount of lumber required 1 Of this the Society have now on hand.	50,000	
	The work of constructing these	ouildi	ings

The Viewing Committees will proceed with their duties, commencing at eight o'clock.

The Committee on Horses for All Work will co-Samuel L. Cockle. Mr. Brooks is one of the Samuel L. Cockle. Mr. Brooks is one of the well known firm of Brooks, Adams & Co., lumber merchants, whose energy and ability enabled the Society to make the splendid and successful show of 1858, and which did so much, against the expectation of every one to resuscitate the Society in the confidence of the people of the State. Mr. Cockle is a mechanic of reputation and integrity, in Detroit, whose ability to work out a good job for the State Society is unquestioned, and whose energy is already showing itself in the progress already made with the work with which he has been entrusted.

> These preparations, in connection with the spaciousness of the grounds, their excelling fitness for such exhibitions, and the feeling that exists generally both in and out of the State, have an exhibition this year such as has never yet been held here.

The applications for the premium list and programmes have been more numerous than ever before, and all have been promptly answered. The Secretary has appointed Dr. H. J. ALVORD his assistant, and the office of the Society is open at a'l usual hours for business.

and close to the Peninsular Bank, on Jefferson avenue. Detroit.

We are advised that some of the most cele brated makers of carriages in New York city, will be on the ground with some of their choicest and handsomest manufactures; and the cattle men of Ohio and New York, and the horse men of the west are looking to the Michigan Fair of this year as the great State fair at which their animals shall compete. As an exhibition of cattle and horses, as well as of industrial products, everything promises that the Michigan State Fair will be the great Exhibition of the season, for this section of the United States, occurring as it does at a time when the United States fair and Illinois fair, as well as those of Ohio and Indiana have passed. All needed now, is that the citizons of Detroit will manifest something of that liberality which the Society and exhibition are entitled to, as drawing to the city a trade and business, whose value will be enormous.

The Cattle Markets.

The N. Y. Tribune makes the following sensible remarks on the effects of the credit system in the sale of cattle. As the season approaches when the great droves will be pressing forward, every thing that touches upon this subject is of interest to the farmer, and he should be well advised of the practices prevalent in the various selling markets so that he may be able to contend with the difficulties that meet them:

"Drovers are very apt in a falling market to complain that the brokers' commissions are unreasonably high. So they would be, upon cash sales. But nearly all business is done upon credit, and the brokers guarantee sales, and in fact generally pay off owners, as though the sales were made for cash, and the drover actually realizes more money after pay-ing the brokers than he would if the cattle sold for cash. The broker has to stand in the gap, and bear all losses and "swindles," such as have taken place since our last report in the failure of a few firms of wholesale butchers. These gentlemen, after buying of all the brokers who would trust them, promising cash and giving instead time checks, suddenly shut down upon the victims of the "confidence game," some of whom had taken sight checks, or checks for only one day.— The losses of the brokers, it is said, amount to about \$14,000. Such things as this are the cause of high commissions, and also the cause of some pretty bad feelings on the part of the brokers, who may in consequence refuse credit to some men who would pay, and thus injure the drovers by its general effect upon the market. We have no doubt that the whole credit system which prevails so extensions. whole credit system which prevails so exten-sively in the cattle market is a curse upon

It will be seen by the above that the brokers' commissions have to come out of some one; the question is do they come out of the consumer or the producer? The drover is supposed to buy directly from the producer, and the consumer really pays the money which the producer gets; all other parties are agents in effecting the change that takes place between the two. The main interest should last year, and which was piled up and stored be to reduce the number of intermediate agents, for the more there are of them, either the greater amount the consumer has to pay, or the less the amount the producer receives for the stock he has fed. According to the New York practice, the drover buys the stock from first hands, he conducts it to New York, and there sells it not to the butcher, who manufactures the raw material into meat, but instead, a broker who has money, is employed by the butcher to make the purchase. This broker lives and gets his wages and a cer- has a very good table of contents, a fair fashion tain profit for the use of his money out of plate of two figures, colored, and several design the price of the cattle. Does not this reduce will be found useful. We take from its pages a the price? If meat sells at 10 cents per pound in New York, and out of this one cent or a cent and a half goes to the broker, the question is, does not this reduce to a certain degree the amount received by the drover, and does it not react on the prices paid the feeder? We think it does. Still it may be argued that in fact this profit comes mostly out of the consumer, and that the prices he pays are governed solely by the first cost. and the additional expenses of getting the meat in the stables of the butcher. But in truth the price paid by the drover is in great part governed by what he knows of the common price, and the very fact that a commission has to be allowed out of the rates received has to be taken into the account of expenses to be added to the cost of proves that, with good weather, Michigan will the cattle. 'Take out the brokers' commission, and unquestionably a part would be added by the drover to the amount paid for the animals, and a part would go to the consumer. It is easily to be seen that the credit system has to be paid for, if sustained, in the cattle business as well as in all others.

-G. P. R. James, does not seem to like his location in the lap of the Queen of the Adriatic, so he leaves Venice It is located at the Michigan Farmer office, and is about again to take up his residence in Virginia.

Ohio Grain Crop.

We find in the Cincinnati Gazette a tabular statement of the grain crop of Ohio for the year 1858. From this statement it ap pears that the produce of wheat in this great grain growing State in 1858, was but 101 bushels per acre, and that in that year wheat was grown on 1,695,412 acres. In 1857, the number of acres on which wheat was grown was 1,823,147 acres, and the rate of produce was nearly 14 bushels per acre, the whole yield in that year being 251 million of bushels, whilst in 1858 it was but 174 millions. The crop of corn in 1857 averaged 361 bushels per acre. whilst in 1858 it only averaged 28 bushels per acre. Making a difference in the whole crop between the two years of 32 million of bushels.

In relation to the crop of the present year the Gazette says:

"It will be seen that the whole number of acres under wheat, in 1858, was 1,695,412, producing 17,655,483 bushels, or an average of 10 2-5 bushels to the acre. The general impression is, that one-third more land was planted the past season than in the previous year. It is safe, we think, to estimate the number of acres at 2,000,000. The product per acre, after making allowance for the frosted district, may be stated at fifteen bushels.— The yield is admitted to be better than in 1857, when it was within a fraction of fourteen bushels. The crop, this year, is also very superior in quality. We may, therefore, set the crop of 1859 down at 30,000,000 bushels of wheat of excellent quality, against 17,000,000 bushels of ordinary quality last year, and 25,000,000 in 1857.

"Corn was also very light last year, the to tal yield on 1,834,138 agrees planted being only 50,863,582 bushels, against 82,550,186 bushels on 2,254,424 acres in 1857. The average last year was 27 to the acre, against 36 in 1857. This season the number of acres planted is fully up to that of 1857, and it is probably greater. We can hardly fail, therefore, with anything like good weather from this time out, to realize a much larger crop than was secured last year."

We find the following testimony in the New York Tribune to the energy and promptness that characterizes the management of the Michigan Central Railroad:

"Our attention is called to the fact that since our severe strictures upon the abomin-able cabooses upon several roads, great improvements have been made and are making. The Erie Road, we are told, is getting an en tirely new set of comfortable, convenient caboose cars to travel with all stock trains for drovers. But the Michigan Central is taking the lead of all. The first of a new lot has been put on, and is furnished not only with seats, but with conveniences for sleeping. Men can travel in them as comforta bly as upon the passenger trains. We guarantee that drovers will never destroy such a car as they have destroyed some of the pig en cabooses.

We hope to find some of these cars presented for examination at the State Fair; it will be noted by the premium list that competition in this department is encouraged, and that improvement in this line has been considered worthy of the encouragement of the State Society.

We copy from the Country Gentleman a description of a steam machine for dragging plows, harrows or cultivators, for it is evident from the description it can be applied to all such work, that has lately been invented by a Mr. Fawkes, of Lancaster county, Pennsylvania. We shall await further trials of this wonderful plowing machine with

Literary News.

The Ladies' American Magazine for September pretty little poem entitled "A Home Picture."

Godey's Lady's Book is, as usual, early on hand and well filled with a variety of interesting articles. Setting aside the stories, the pages devoted to instruction in various matters connected with house hold affairs, the toilet, the sick room, &c., make each number worth the price of a year's subscrip

The Atlantic Monthly for September is received. It gives a heavy table of contents for this month They are. The Life and Times of Ary Scheffer, A Visit to Martha's Vineyard, October to May, Elen-sinia, The Minister's Wooing, Once and Now, A Trip to Cuba, Zelma's Vow, The Murder of the Innocents, My Double and I, The Singer, and The

Scientific Intelligence.

Agricultural Patents issued for the Week ending July 26, 1859.—Henry Fisher, Ohio. Improvement in

Agricultural Patents issued for the Week ending August 2, 1859.—M. Bucklin, Grafton, N. H. Improved Draining Machine. T. B. Garside, Danville, Iowa. Improved portable

O. H. King, Salem, Iowa. Improvement in Harvesters S. A. Lindsay, Unionvillh, Md. Improvement in Har

F. Meyer, Naperville, Ill. Improvement in machin for cutting and binding grain.

D. C. Smith, Tecumseh, Michigan. Improvement in

J. S. Snider, Lancaster, O. Improvement in seeding

A. Watson, Walnut Run, O. Improvement in mole lows. J. G. Ernst, York, Penn. Improved machines for

General News.

-The people of New York have been greatly concerned for a week past at an unusual flavor to the Cro-ton water. A committee including some eminent chemists are investigating the cause.

-A terrible gale said to be the most fearful ever known there, has just occurred at Prince Edward's Isle occasioning an immense loss both of life and property.

-Mons. Biondin on Wedndsday the 17th, successfully performed his promised feat of carrying a man across Niagara River on his shoulders. Mr. Colcord, Blondin's agent, was the adventurous individual who submitted to the experiment.

-Mons. De Lave, the rival of Blondin, successfully —Mons. De Lave, the rival of Blondin, successfully crossed the Genesee Falls on a tight-rope on Tuesday afternoon. A concourse of from eighteen to twenty thousand people witnessed the performance, and were thoroughly drenched by a severe thunder-shower which occurred just previous to the commencement of the feat.

-The New York and Eric Railroad has gone into the hands of a receiver. The road is said to be in first rate order and it is thought may hereafter prove in other hands paying property.

—The reports from Pike's Peak are very conflicting. Some accounts still make the whole thing a gigantic sell while others and often times from reliable menstate that gold is found in paying quantities.

-The American Normal School Convention at Trenton has just closed a very interesting session. Delegates were present fr om all parts of the Union.

-The Ontario steam elevator, at Palladium, in the State of New York, was destroyed by fire yesterday morning, involving the loss of about 150,000 bushels of wheat and corn. The total loss is estimated at \$150,000, covered by insurance.

-The New York correspondent of the Memphis Enquirer says that the Hon. Fernando Wood and five other prominent Democrats telegraphed to Gov. Wise to promptly deny the authorship of the B. Donnelly letter, whether he wrote it or did not write it.

—The recent elections in Oregon have been without out doubt carried by the opposition party.

-Cases are daily occurring of injuries resulting from the careless use of burning full. Sarah M. Morria, 15 years of age, residing in Brooklyn, died yesterday from burns received the evening previous, while attempting to fill a lighted fluid lamp.

-The first lot of wheat ever exported from Texas was shipped to New York from Galveston a few weeks since which is regarded as a harbinger of success in a new branch of agricultural industry in that State. There will also be a large surplus of corn for exportation.

—The news from Mexico is considered very important.

Miramon had dissolved his cabinet. Gen. Woll had been defeated by the Liberals with the loss of his artillery. The Juarez decree, confiscating the Church property, was being carried out, and the Archbishop of Mexico, in consequence, had issued a bull of excommunication consequence, had issued a bull or excommunication against the whole Liberal party. The command of the Liberal army had been assumed by Degollado. The news is considered in Washington as highly encouraging to the Juarez Government, and but little doubt is entertained of the speedy and permanent success of the Liberals. The Archbishop's excommunication is considered as a very harmless proceeding.

Foreign News.

The completion of the steamship Great Eastern was formally celebrated on the 8th, by a banquet on board, which was attended by many members of both houses of Parliament, and a number of distinguished engineers and scientific men. The engines, both screw and paddle, were set in motion for the first time, and the result was satisfactory in the very highest degree, and far beyond expectations. The ship presented a beautiful and finished aspect, being almost ready for sea.

The " nine hour" strike in the building trade in London was becoming very serious. Monster meetings had been holden in Hyde Park by the workmen, but the employers still refused to accede to their demands.

Parliament was expected to adjourn on the 18th inst. A bill has passed through the House of Commons establishing a reserve force, of volunteers for five years, of 80,000 men for the navy. In France orders had been given for the dis-

banding of marines, and the disarmament of all

The Paris Constitutionel figures up the cost of the war at 1,800,000,000 francs, or \$250,000,000. The \$100,000,000 borrowed over this amount will be expended in public improvements.

It is said that Prince Richard de Metternich will be the new representative of Austria at the Court of the Tuilleries. Prince Richard is a son of the ceased veteran Metternich, by his second wife, and is about 85 years old.

The aspect of the relations between Austria and Prussia was threatening, and an open rupture was anticipated in some quarters.

At the latest accounts the Conference at Zurich, between the representatives of France, Austria and Sardinia was fully constituted, and two days' session had been held; but of the proceedings nothing had transpired.

The settlement of the Italian question is still far from completion. Reports of discontent in Italy, with the peace and with the proposed settlement, current. It is even said that Sardinia will utterly refuse to enter a Confederation of feeling is manifest from the fact that out of 172 communes in Tuscany, 160 have voted for the annexation of that country to Piedmont; while in the Romagna, out of 26,000 votes, 19,000 are against the Government of the Pope.

Napoleon is decidedly less popular in Italy since the Peace. At Nice it is reported the people dragged his bust through the kennels of the town. It is stated that 50,000 French troops are to remain in Italy, owing to the dangerous state of some

A tribunal at Perugia has condemned seven of her principal men, who are luckily out of harm's way, to death. The volunteers in the war from Rome are, however, allowed to return, and there is vague, we fear unmeaning, talk of reform.

It is rumored that an attempt has been made to poison Garibaldi.

A letter from Nangasaki, Japan, of the 21st April, says: "The new Emperor becomes every day more and more liberal to the Europeans, and the Mandarins of the provinces, instead of subjecting them, as heretofore, to all sorts of ill-treatment display great regard for them.

Konsehold.

"She looketh well to the ways of her household, and antein not the bread of idleness."—Proveres.

EDITED BY MRS. L. B. ADAMS.

HOEING CORN.

BY MES. L. B. ADAMS.

Out in the earliest light of the morn Ralph was hoeing the springing corn; The dew fell flashing from blades of green, Wherever his glancing hoe was seen, While dark and mollow the hard earth grew Beneath his strokes so strong and true And steadily still, hill after hill As the sun went up, he swung the hoe, Hoe, hoe, hoe-row after row. From the earliest light of the summer morn, Till the noon-day sound of the dinner hora.

What was Ralph thinking of all the morn Out in the summer heat hoeing corn, With the sweat and dust on his hands and face, And toiling along at that steady pace?

A clear light beamed in his eyes the while,
And round his lips was a happy smile, As steadily still, hill after hill, While the sun went down, he swung the hoe, Hoe, hoe, hoe—row after row, Faster toward nightfall than even at morn He hastened his steps through the springing corn.

Across the road from this field of corn, Was the stately home where Ralph was born : Where his father counted his stores of gold, And his lady mother, so proud and cold, Lived but for the satius and gauze and lace That shrouded her faded form and face; While steadily still, hill after hill, Unthought of went Ralph, and swung his hoe, Hoe, hoe, hoe-row after row, Day after day through the springing corn, Toward the humble home of Isabel Lorn.

This he was thinking of all the morn, And all day long as he hoed the corn,—
"How sweet 'twill be when the shadows fall, Over the little brown cottage wall. To sit by the door 'neath the clustering vine, With Isabel's dear little hand in mine! So cheerily still, hill after hill, From morning till night I'll swing my hoe, Hoe, hoe, hoe—row after row, Knowing each step that I take through the corn, Is bringing me nearer to Isabel Lorn!

O glad was he then, that the growing corn Shielded his steps from his mother's scorn; Had glad that his father's miser hand And barred all help from his fertile land. So safely he kept his forest flower, And dreamed of her beauty hour by hour, As steadily still, hill after hill,
Through the field so broad he swnng his hoe, Hoe, hoe, hoe—row after row, Knowing each step through the growing corn, Was bringing him nearer to Isabel Lorn.

But months passed on, and the ripened corn Was laid on the ground one autumn morn. While under the sod in the churchyard blest Are two low graves where the aged rest. The father has left broad lands and gold, And the mother her wealth of silks untold, And sweet Isabel—why need I tell What she said to Balph, when without his hoe He sought her side? It was not "No," That made her the mistress, one summer of that stately home by the field of corn.

Our Window.

What eyes are to the body, windows are to the house. They let light in, and are loopholes of observation where the indwellers may look out upon the world. What a pity that all windows cannot have a pleasant prospect-that the soul must sometimes look upon scenes that make it shrink within and drop the curtains between it and the world! But we are not going to moralize now, nor draw disagreeable comparisons. The scene upon which we look to-day from our little private chamber window is too quiet and pleasant, and too suggestive of sweet associations to permit anything of the kind. In the first place it has to us the novelty of newness, it being but little more than a week since our eyes first looked down upon this tiny nook of sweetness, greenness and bloom. In the second place, though full of busy life, it has the charm of silence and quiet. Only those whose ears have been stunned day after day by the clatter of wheels over a rough pavement, can fully appreciate this last qualification. But let them sit as we do all day, with the confused and confusing roar coming up through windows which must be opened to let in breathing material, and which let in the noise as well, and then retire at night with every sense exhausted and every nerve trembling with the effort to keep both bodily and mental endurance up to the working point; let them sink into slumbers sound and deep enough to have satisfied the immortal Seven, and then open their eyes with the dawn, to look out on the fresh green foliage of trees, deep, dewy grass, fragment blossoms where flocks of humming birds are taking their dainty breakfast, and rows upon rows of bee hives from which comes up the low murmur of preparation for the sweet labors of the day! O how dreamily all yesterday's toils and cares seem blend. ed with the dreamless sleep from which we have just awakened ! We cannot think there was any reality in them. There is nothing real now but the sweet consciousness of rest, and the bright picture framed by that little open window, from which we scarcely dare turn our eyes for fear it will vanish away as many another lovely vision has done. There is nothing artistically beautiful about the spot. No gardener has ever been there with skillful hand and knife to train the vines and

trim the trees. The few flowers there grow as they list; the sweet peas trailing their pink and snowy blossoms amid the luxuriant marked changes. This is more marked in grass, or twining around any strong weed within their reach; the prim balsams blush- blinks of pleasant sunshine and storms of ing beside the coarse hollyhocks which shoot up here and there, just as it happens, flaunting their broad blossoms to the sun with equal almost every other case, the gentle quiet and self-complacency above the board fence or persevering, prevails over the fierce and blusunder the wood-house eaves; the starry as. tering. March which "comes in like a lion ters lie clustering in the grass, pink and pur- goes out like a lamb." ple and white they smile up from the sides of the little foot-paths winding here and there; wild cucumber vines are clambering all about over the other plants and flowers, over the little shrubs of trees, over the fences, and even up to the top of the kitchen roof, where they have caught hold of the shingles with their delicate tendrils, and are at this moment, from that ambitious height, holding up two long spikes of dainty blossoms as signals of their triumph. There are a few plum and pear trees that grow and branch and bear or refrain from bearing, just as they like, a grape vine that wanders where it pleases, on the ground or up among the branches of the old pear tree at the end of the barn; but most beautiful of all, and most lawless in its wild thorn hedge. luxuriance, is the splendid trumpet creeper that has climbed to the top of the old barn, and there spread itself over the roof in a perfect abandon of foliage and bloom. What a mass of green, and what clustering sprays of orange-red blossoms starring it all over! some half buried in the foliage and some streaming out on the long lithe branches like flery pennons ready to tremble in the slightest breeze that wakens. It is on this mass of verdure and bloom that the first slant rays of morning sunlight fall, setting the blossoms, wet as they are with the night dews, all ablaze with glory, and lighting thither whole bevies of humming-birds that flash in and out of the glowing nectar cups. It is a sight worth wa-

king with the dawn to see. Then all about in the grass under the trees are rows of quaintly capped and painted bee the winter. The wild geese follow after.hives, somewhere near a hundred in number, sitting like so many Quakers in solemn conclave under their broad brims, waiting for the spirit to move, which it always does in good they pass the summer and raise their young. time, and brings with it the sweet fruits of Whether they remain at Iceland and Norway,

is in the very heart of this great noisy city, within a stone's throw of its busiest thoroughfare; it is all surrounded by rough, board fences, and old frame houses with broken ga bles and mossy roofs, and would doubtless be quite astonished to hear itself praised after this fashion, such a wild, uncultured, unpretending little back yard as it is; but very beautiful it has seemed to us, as morning after morning for these few days gone, while recovering from the overweariness of our summer toil, we have opened our eyes upon its dewy verdure, and from its very wildness eemed to drink in that health and strength that we sometimes fancy only country air and country scenes can give.

Reader, if you were to look out at that vindow this moment, you would most certain-

"What is all this romancing about? I see nothing but some wild, scraggy-looking trees, a few coarse flowers and untrained vines; and over beyond there is a dirty alley, and here to the right is a barnyard and some shockingly dilapidated old buildings, and -"

Never mind what is over beyond, or to the right or to the left. From our pillow lookng out, or from the table where we write. we see neither alleys nor barnyards, nor of this month, are not game and often make Of course we know what you will say about her maison is not in bloom, is it?" ruined walls. Our window frames to our eyes only sweet and pleasant things. We must inevitably in life see much that is disagreeable, but if it may be, let such things be shut from ly each duck will lay two or three dozen of views, feelings his ideas, are they nothing to her, sight by the frame, while we gain new life and strength and courage by looking straight through the window at the beautiful creations of God's own hand.

RECOLLECTIONS OF IRELAND.

PREPARED FOR THE YOUTHFUL READERS OF THE MICHI-GAN FARMER: BY BLOW JAMIE. NUMBER TWELVE.

March. People who pretend to be learned tell us that this month derives its name from Mars, the Latin name of the god of war .but so much dictionary never suited me. I always knew that March was so named because in this month the year marched along so rapidly towards summer. This was more noticeable in Ireland where the days are so short in winter and long in summer. The rapidly lengthening day now reminds us that ur days and years are hastily slipping away As some poet has said,

"Earth rolls her rapid seasons round • To meet her final fire."

We are naturally discontented. In summer we long for the quiet and leisure of winter.

mer. The varied seasons of the year labor strong, and armed with keen thorns, and the to satisfy us by giving so many and such flowers changed into burs, and they reached March than in any other month. Alternate wind and rain keep us in suspense whether winter or summer is going to reign. As in

March which is here remarkable for high winds is even more stormy there. The laborer often has to leave the field for no other reason than high winds. The farmer, however, is glad of it to dry up the superabundant moisture and prepare the field for receiving its sweetness on the desert air." Its green the seed. It is a common saying that Marchdust is better than gold dust. As soon as the furrow assumes a thin dry crust the husbandman drags it and sows it with oats. This is often done early in March; sometimes not till April. As soon as the sun breaks out the music commences. The farmer sings as he commits the golden grain to the earth, the plow boy whistles as he drives the horses at the harrow, and the sparrow twitters in the

"When green grass first begins to spring And daffodils appear. Then robins in the morning sing For pleasant spring is near."

If the farmer can get his ground very dry and in good condition he also sows his barley this month. Otherwise he waits till April or even as late as May. The barley raised there is the two rowed variety, with as heavy a grain as our spelt. It is manufactured into iquor or pounded in stone troughs for pearlbarley. In the latter condition when used as rice it is both palatable and healthy. In the former, it is nauseous and poisonous; yet there s far more of it drank than eaten. And though hundreds have died in consequence, yet hundreds more continue to use it.

About this time the wild swans return from southern Europe where they had spent These, however, stay but a few weeks with us to recruit their strength and then taking wing again fly away toward the North, where or pass on to the Arctic region, I cannot Now this little nook of greenness and quiet tell. I know that wherever they go they find abundance of food, for they return in the fall in good condition. The swan remains with us all summer and builds her nest among the rushes in the marshes. Her eggs are larger than those of a tame goose, and are counted a great prize when a boy finds the nest, but he must be careful not solemnity, she called him to order by saying, with to approach the nest when she is on it, for she would fly at him, and a stroke of her wing would break his arm.

As the swan returns, the plover, the curlew Lapland and other countries where they pass the summer, from which they return in the lew and plover may be heard every pleasant they leave. When near, their voice is loud and harsh, but at a distance a flock of them know the tune. And as they are a shy, retired bird, their notes are really musical.

counted game, and a poor man cannot touch | could not be forgotten. eggs in a season.

The Burdock and the Violet.

It came up in the garden, that burdock, just behind the violets and close to the rose bushes. It was in the corner close up to the fence, and we said we would let it stay, and it Roadside burdocks, we knew were coarse, vile things, with their dusty leaves, and their and we would like to see what a garden burdock would be like; whether it would be bright, and fresh, and delicate for growing in such sweet company, so we were merciful and let it stay.

And it grew among the roses and the violets, and gentle hands watered it often, and the earth was softened about the roots, just as for its fairer neighbors; but it waited not to us. Never resorting to serious appeals to for them in its progress upwards. It shot up, Heaven or the Great Spirit for the confirmation rank and tall, and its wide leaves spread all abroad, and threatened to cover up and ob-In winter we sigh for the life and beauty of sum- last the blossoms came. They were large and ing never grows old.

out their thorny fingers and grasped the passer-by, and the white dust lay thick on the rough, woolly leaves, and the seeds flew out on the wind, to seek lodging places, where in another year, a new crop should find foothold and sustenance.

A little violet crept up through the fence there it lived and bloomed sweetly, " wasting leaves were as green as its cherished kindred of the flower-bed, and its blue eyes reflected as hopefully the blue of the summer sky.

Household Varieties.

A HOME PICTURE.

A low, brown cottage by the sea. With vines o'errun, which tempt the bee; The flowers in fragrant clusters swing, And humming-birds upon the wing Sip daintily the nectar there, While swallows to the eaves repair The dreamy voices of the main, And tender, breathe a low refrain; Through scented pines the winds blow free, Round the low cottage by the sea.

Within the cottage by the sea, With hair like sunshine, and clear eyes, The deepest blue of Summer skies. The mother's face, so sweet and fair, Is such, unseen, as Angels wear. She frolics with her baby boy, Does this, and that, to give him joy, While his sweet laughter fills, with glee The low brown cottage by the sea.

From a boat, anchored at the shore, Comes to the open cottage door A fisherman, with footsteps bold, The shepherd of this little fold. His eyes with love are brimming o'er. As he looks through the open door He pauses for a moment there, Within the picture is so fair: Another, and his arms have pressed The child and mother to his breast.
Oh, ne'er was king more blest than he In the low cottage by the sea. -Ladies Am. Magazine

Talking to his Plate.-The Rome Sentinel relates that a three-year old girl accompanied her father upon a visit to her grandparents in the country, where a blessing is invoked by the white-haired patriarch before each meal. The custom was one with which our little friend had not been made familiar at home, and of course on the first occasion she was silent with interest and curious watchfulness. But when the family gathered around the board the second time after the commencement of her visit, she was prepared for the preliminary religious ceremony, and observing that her father did not seem duly conscious of the approaching stern gravity, "Be still, papa-grandpapa's going to talk to his plate, pretty soon!"

Lying to Children .- The Rev. Robert Hall had so great an aversion to every species of falsehood and evasion that he sometimes expressed himself and the water-hen, take wing and go off to very strongly on the subject. The following is an instance stated in his life by Dr. Gregory: Once, while he was spending an evening at the house of fall to pass the winter in Ireland. The curthat her girl of four years old might go to bed .-She returned in about half an hour, and said to a evening whistling for perhaps a month before lady near her, "She is gone to sleep; I put on my night cap and laid down by her, and she soon dropt off." Mr. Hall, who overheard this, said. " Excuse and harsh, but at a distance a flock of them me, madam, but do you wish your child to grow sound like a fife when it is too far away to up a liar." "Oh, dear, no. I should be shocked know the tune. And as they are a shy, resay, you must never act a lie before her; children are very quick observers, and soon learn that that The wild duck remains in Ireland winter which assumes to be and is not, is alie, whether acted and summer, and finds abundance of nourishors. This was uttered with a kindness ment in the lakes and marshes. They are that precluded offence, yet with a seriousness that

A Word to Husbands .- Has anybody ever writthem except by stealth. However, their eggs, which they begin to lay the latter part husband with regard to the education of his wife? a very pleasant addition to the poor man's being supposed to have "finished her education" scanty fare. They are not so prolific as the know that she begins as new an education with before marriage, and all that; and yet you and we tame duck, still if you rob their nest gradual- him as if she had never seen the alphabet. His if she loves him? Years after, when they who "knew her as a girl," come to talk with the matron, do they not find her husband reflected in every sentence, either for good or evil? Of course, the more strongly a woman loves, the more completely is her own identity absorbed in her husband's. This is a point which is too much neglected by married men. A good husband is almost certain to have a good wife; and if she be " not so good as he could wish" at the commencement of their should have all the kind care and the gentle married life, he can soon educate her up to the attention that the roses and the violets had. proper mark. And, on the other hand, he can so educate her down as to render his house a purgatory, and, perhaps, bring upon himself and his family the greatest agony and keenest pangs of shard burs ever adhering to the passers-by, disgrace which a husband or children can feel.

Language Without Oaths .- The Indians cannot swear in their vernacular. This is a singular and interesting fact. Why does their language furnish no oaths? Are the Indians so prone to truth, so averse to falsehood, that invention of oaths was impossible? Probably this was the case until they became so corrupt by our example. Their simple promises must have been to them as sacred and inviolable as the most solemn adjurations are of their statements, profane caths do not follow of

scure its less assuming neighbors. And at for she who captivates the heart and understand-

The Reserve Ground.

MRS. H. E. G. AREK.

"Uncle," said little Milly, "where is my garden? All the re t of the children have a part of the garden to take care of, and I want something to do. Won't you give me a garden?"

"Well, Milly," said her uncle, laying his and looked up brightly beside the hard and hand caressingly upon the head of the little dusty street, and we said we will let it grow orphan girl who had recently been added to there, and so it grew. Water it had none, his family, "I don't know what I can give except the celestial fountains; care, it had you. The garden is pretty well divided up none, except from sunshine and sweet dews among the children. There is nothing left and the kindly glances of the passers-by; yet where there are flowers—I suppose you want flowers-unless it is the reserve ground .-Would you like to take care of that?"

"Oh yes, I don't care what it is, if it only has flowers. Will you please to tell me what I am to do ?"

"Let me first tell you what a reserve ground is; perhaps you don't understand it. It is the place where we put in a great abundance of seed in order that we may have a plenty of plants to draw from, when any vacant place occurs in the borders. We start slips in one part of it, and whenever there are extra shoots of valuable plants, we put them there to remain until there is a call for them. So you see that though you will have charge of the reserve ground, still I shall always have a hand in it, bringing in new slips for you to look after, and taking out those plants that are sufficiently grown to be removed to the borders; you will get a good many flowers -indeed, your auut calls it the wilderness, there are so many-but it will be more frequently disturbed than any other part of the garden. Do you think you will like it?"

"Oh yes, very much," said Milly, with delight; yet she understood but little of her uncle's somewhat mixed explanation of the nature of a reserve ground-only that she was to have plenty of flowers, and she was satisfied.

Still greater was her pleasure when she was introduced to the little plot of ground, with its pit in the corner, which was to be her especial care. It was a very flourishing part of the grounds, she thought-so full of everything: to be sure, they were heaped together without any special regard to order; the flowers were grown in musses most certainly; but with her their great value depended on their number.

And Milly, once instructed in her duties, took very good care of the reserve ground, keeping out the weeds that were determined to overrun the rich soil, and getting an abundance of flowers from her forests of stocks and balsams, and asters. True, her uncle would fill up the vacant spaces with a great many slips that she did notadmire very much -he cut the leaves so close when he put them into the ground, that it destroyed all their beauty; and then they grew very slowly.

But he brought her many fine shrubs, and beautiful roses, which come forward rapidly, and amply repaid her for the want of enjoya friend, a lady, who was there on a visit, retired, ment she found in the naked looking little

> One of these roses-a very beautiful perpetual-had gained her special affection. It was only a tiny shoot from the side of her aunt's highly prized Malmaison when it was brought to her, but it had plenty of root, and, once established in her reserve ground, it grew luxuriantly, so that before the first season was over it came out with a fine show of buds, and then Milly rejoiced over it as her especial treasure. When the first rose opened she bore it in triumph to her aunt.

> "Why, Milly," said her uncle, who sat by, reading his agricultural paper, "your Mal-

> "Yes, uncle," said Milly, proudly, " it is full of buds, and this is the first flower."

> Her uncle folded his paper deliberately, and laid aside his spectacles, and started for the reserve ground, followed timidly by Milly, who wondered if he doubted her assertion.

> But when she reached the spot, what did she find but her uncle with his horrid thumb and finger pinching off all the buds from her treasured rose-tree.

> "It must not blossom yet, Milly, dear," said he kindly, when he noticed the choking look with which she witnessed his predatory work. "I have a special mission for this rose. We wish to have the strength all go to the forming of the tree, for the present. It won't grow as well if we let it blossom now. Indeed it might kill it, if it should bloom much this year. If it comes into bud again, you will pinch them off as I am doing. Will you remember, my child?"

> Milly thought it was very hard, but the idea that it might kill her beautiful rose to bloom too soon, was sufficient, and when the next array of buds appeared, her unwilling hand performed the office which her uncle had assigned to her of pinching off the early promise of bloom. Her uncle never knew what it cost her to do this, for Milly loved the flowers. He only knew when she told him that she had followed his directions, and he rewarded her by saying that she was a

nicely by her charge.

When the next spring came, Milly watched anxiously every swelling leaf-bud in her rose-tree, rejoicing afresh over each new shoot her rose was strong enough to be allowed to bloom.

It was the object of her first care in the morning when she went to look after her reserve ground; and in the evening when she came from school, her first thought was to see how her rose had progressed through the day. But there came a day when on hastening to her reserve ground after her school hours were over, she found that her beautiful rose was gone. There was the soil turned carefully away from where the roots had spread, and the marks of the spade that had been used i this deliberate depredation.

ly at a little distance.

ing on with his wheelbarrow.

Milly threw herself down on the turf, and came to look upon her charge at last. let the tears rain over her face without stint.

did not wish it to grow in this unsightly place, did you? It would be a mere waste of its beauty. You shall still have the rosetree for yours, if you like, in the place where it stands on the lawn. You surely could not ty, says : wish us to waste it here."

But this reasoning was all lost on Milly .-She could not understand bow that could be wasted beauty which grew so gloriously in the garden that she called her own. It was no waste to her. She could enjoy it wholly where it had stood, and where it had seemed all her own. It was another thing out on the lawn, where every one could see her in what she feared they might think the silly occupation of counting every leaf and shoot that then take them out into a tub of clean water, rul grew. The rose might still be called by her name, but it was no longer under her care, no longer her owc in reality. Visitors swept by with their spreading silks and praised it. It was no place for the timid child to nurse the thing she loved.

Many a time had the beautiful rose-tree Many a time had the beautiful rose-tree localities, and is well worthy an experiment, as it shed its crown of flowers before the little girl will not injure the fruit in any manner, if it does had ever turned her steps to the spot where it stood. The time came when she learned to love it even among the fine shrubs on the lawn, but there had been a transition of spirit with her before this day. She knew that it it was a garland of beauty in the spot where which were most excellent, delicately white, and it stood, the glory of all eyes that beheld it, but for her it had been transplanted to another world—a world from which by habit and timidity she was debarred.

home of her own-a bome that one of the such spices as you like. Cloves are apt to make strong hands of the earth had planted, and chosen her to be the light thereof. A throng of fairy little ones called forth her ceaseless love, and claimed from her a care that knew no rest. Milly was busier in keeping out the foreign elements from the weed-sown soil of the human heart, than she had ever been in the charge of her reserve ground. Very weary she grew at times, and ready to faint in view of the task before her, but the tireless love of the little flock, and the wonderful beauty into which they grew, were enough to cheer her when the way grew rough. There was one among them-a restless little fellow with a broad jutting forebead, and deep blue eyes that you could not fathom, so were they swimming with life and love and joy, that required from her more than the usual share of a mother's attention. Now he was clambering recklessly up her knee, and clasping her in an embrace that well-nigh stifled her, and before she had recovered breath he was gone, soiling his hands and tearing his garments by climbing to the top of the summer-house to trim the grape vines, as he had seen his father do, pressing determinately against any obstacle that came in his way, and overcoming if it were possible to be overcome, and astonishing all who heard him by the curious reasons he gave for his erratic ways. Over his books there was the same restless energy, that made him the wonder, the study, the delight of all who knew him. In the household he was the center of affection and of action.

Though one of the younger members of the flock, it was to him that all explanations were appealed, round him that all attraction seemed to cluster. He was the pride of his

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COTT, Jr., 72 Fulton St., Brooklyn, Long-Island.

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to

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very thoughtful little girl, and was doing father, the wonder and delight of his mother.

But there came a day when Milly returned to her home from one of life's school-tasks that had called her thence, to find this pride of her house laid low-uprooted from the soil that started, and thinking that now surely of affection where he had grown, torn by violence from the fond arms that encircled bim, with the lids closed over the joy of those blue eyes to be raised no more. Veiled forever behind an impenetrable curtain was the laughing love that had made her task a blessing.

Terrible was the grief with which the fond mother sank beneath the stroke, robing herself in darkness and refusing to be comforted, for the light of her household was no more.

For many days she moved stonily about the tasks that claimed her, as if the blow had changed her into marble; and it was by slow. degrees that love of the little ones who remained to her, called her back to a full in-"Peter, where's my Malmaison?" she call- terest in the work of life. Heavy and gloomy ed, with brimming eyes and choking voice, to was the path by which she was led back from the man who was rolling a wheelbarrow heavi- the valley of sorrow to the garden of affection, where her children claimed her cheerful "Moved it to the lawn," said the man, go. love. But with eyes that had been touched as with a coal from off the holy altar, she

"My reserve ground!" she murmured, as There came to her mind a vague idea of the she gathered them fondly about her. "My nature of a reserve ground, and the kind of noble flower has been transplanted to the ownership she held in its possessions. Her eternal gardens, because our Father had a uncle had said something about a special mis- worthier place for him to fill. He waits for sion for that rose, but she understood very us with the arms of his love outstretched, and little about any special mission for rose-trees, its warm glow kindled with a heavenly fire FALL & WINTER STOCK other than to bear nowe...

While she still indulged her unmeasured grief, her uncle came back from his task of seeing the rose tree well planted in the lawn, to remove the traces of its uplifting from the reserve ground, and was upon her before she reserve ground, and was upon her before she the plants I have reared may be mine in the plants I have reared may be mine in the heavenly gardens—mine in the spot for which

Lines, Embrading every variety of the Elysian fields.

Embracing every variety of the plants I have reared may be mine in the heavenly gardens—mine in the spot for which

Laces, Embradderics, White Goods, kid Gloves, Hoslery, Sheetings, Cloths, Flannels, Ticks, Printed Lawns Cambries, Gingham, Muslin de Laines

Stella Shawls, Broche Shawls, Stella Shawls, Broche Shawls, other than to bear flowers in the spot where that cannot cease to burn. Death cannot

Household Recipes.

Washing Fluid. A subscriber writing from Milan, Monroe coun-

"I forward you a recipe for making a washing fluid which will cost six cents a gallon, that will be worth at least the price of the FARMER one year

to any one who pounds and rubs dirty clothes.

Take one gallon of rainwater, boil, and skim if necessary; add three ounces of saltpetre and one ounce of borax, boil until dissolved and put into a jug. Take one pint of soap, add four table spoon fuls of the fluid, and soap your clothes with it; put them in warm water and let them soak half an hour, stirring them occasionally. Wring them out and put on some more of the soap, and boil them: them slightly and rinse them, and they will look much better than if rubbed on the washboard for

To Keep Worms out of Dried Fruit.

hours without the fluid."

It is said that a small quantity of sassafras bark mixed with dried fruit willkeep it free from worms for years. The remedy is easily obtained in many not prevent the nuisance.

Ripe Cucumber Pickles.

A year or two ago we gave a recipe for making sweet pickles from ripe cucumbers. Since then we have eaten pickles made in the following way, keep crisp and tender the year round.

Pare good, sound, ripe cucumbers, cut length-wise into strips of suitable thickness, put them into salt and water three days, changing the brine every Midity she was debarred.

Years passed away, and Milly dwelt in a cloth; scald them in vinegar three times, and add the pickles black.

For our Young Friends.

I am composed of 18 letters. My 12, 13, 1, 2, 13, is a decomposed substance. My 15, 8, 5, is what a minstrel sings. My 6, 8, 17, 16, 4, 5, is the name of a bird. My 13, 1, 3, 18, is the name of a fish. My 1, 8, 5, is a dried vegetable. Mp 4, 9° 2, is a kind of grain.

My 5, 2, 13, is an answer sometimes given to meations.

My 14, 8, 3, 18, is a member of the body.
My 11, 10, 7, 15, 9, is what many children are My 6, 8, 13, I, is what merchants trade for. My 6, 16, 3, 8, 15, is a channel of water. My whole was the name and residence of a dis-linguished citizen of the United States. W. L.

Answer to Puzzle of last week : If from naughty shakes you'd be secure, Try the efficacy of Ayre's Ague Cure. Answer to Enigma of last week :- THE BATTLE

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FAMILY SEWING MACHINES.

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This machine sews from two spools, as purchased from the store, requiring no rewinding of thread; it Hems, Fella, Gathers and Stitches in a superior style, finishing each seam by its own operation, without recourse to the hand-needle, as is required by other machines. It will do better and cheaper sewing than a seamstress can, even if she works for one cent an hour. Send for a Circular.

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SEWING MACHINES PRICES GREATLY REDUCED. Particular attention is invited to the

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145 Jefferson Avenue, Detroit.

GOOD NEWS.—A reduction in the prices of Sewing Machines is announced in our advertizing columns.—Their utility is established beyond question, and at the present prices we see no reason why they should not be found, as they ought to be, in every household. Several varieties are manufactured, adapted to various purposes. So far as public opinion has been formed and uttered, the preference is emphatically accorded to the Wheeler and Wilson machine for family use, and for manufactures in the same range of purpose and material. During the present autumn the trials have been numerous, and all the patents of any pretension have brought fairly into competition. In every case, the Wheeler & Wilson machine has won the highest premium. We may instance the State Fair of New York, New Jersey, Pennsylvania, Kentucky, Illinois, Wisconsin, Virginia, Michigan, Indiana, Mississippi, Missouri and Callifornia, and the Fairs in Cinclinnatt, Chicago, St. Louis, Bultimore, Richmond, and San Fransisco. At the Fair of the St. Louis Mechanical &ssociation, the Examining Committee was composed of twenty-five Ladles of the highest social standing, who, without a dissenting voice, awarded for the Wheeler & Wilson Machine, the highest only premium, a Silver Pitcher, valued at \$45. If these facts do not establish a reputation, we know not what can.—Christian Advocate and Journal.

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Extra Super Ingrain,
Superfine do, Fine Ingrain do,
Still Damesk Weisted do.

Silk Damask, Worsted do,
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20 head of Durham Cattle, consisting of Cows, Helfers, and Helfer and Bull Calves. Also, forty Fine Wool Sheep, ten Buck Lambs, of Cotswold and Southdown crosses, (the best Mutton sheep.) I will also offer my Prize Young Bull, GOVERNOR, sired by Imported Governor, reserving one bid to myssif. The sale will be positive and without reserve, except in the one instance mentioned above.

positive and without reserve, casely mentioned above.

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The vast superiority of this machine over all others, as shown in the perfectly regular and even distribution of the seed, and the wonderful rapidity with which the work is performed, combined with their perfect simplicity and durability, have already placed them in the front ranks of labor saving agricultural implements.

The assing of three fourths of the labor and one fourth of the seed used in hand sowing is, effected by using these machines. A person entirely unused to sowing by hand, can use either machine with perfect success. They are warranted to give perfect satisfaction and to save their cost in less time than any other farm implement yet introduced.

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For further particulars address P. B. SANBORN, General Agent for Michigan and Western Canada,

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And for family use there are none that can excel our machines for service or in beauty of appearance. Call examine them at

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WILSON'S ALBANY SEEDLING. Best & most Prolific Strawberry YIELDS OVER 200 BUSHELS AN ACRE!!

THIS unrivalled Strawberry has this year, on my grounds, excelled all previous ones in size quality and productiveness. Numberless specimens from 4 to 4% inches in circumference, some still larger. Selected, strong, new plants, packed and delivered in Albany, \$10 for 100; \$1 for 50. Descriptive circulars sent to applicants inclosing stamps.

tamps. No Travelling Agent employed.
WM. RICHARDSON,
Riverview, Albany, N. Y.

SUMMER COMPLAINTS. Viz: Diarrhea and Cholera Morbus, and Flatulent and Spasmodic Colics. WE, THE UNDERSIGNED, have for several years

B. FOSGATE'S ANODYNE CORDIAL, and during this period have witnessed its salutary effects in curing the diseases for which it is recommended, viz:

Acute and Chronic Diarrhea and Cholera Morbus,

in our own, and in the families of our customers, and have also seen its successful administration in cases of CHOLERA INFANTUM.

We do, therefore, confidently recommend it to all those who may be afflicted with those distressing and danger-ous complaints, as offering one of the best means for their cure or relief:

their cure or relicf:

W. Bristol, Utica,
J. J. Foot, Hamilton.
L. Parsons, Westfield.
S. Whitze & Son, Fredonia. L. Reddy, Pendera.
A. P. Curris, Attica.
W. Szaver & Son, Batavia.
J. G. Barleen, Leroy.
T. Beadle, Elmira.
A. J. Matthews, Buffalo.
L. B. Swan, Rochester.
N. B. Lite, registrally weed to Children, when N.B. It is particularly useful to Children when Teething, as it allays irritation, induces moderate perspiration and produces sleep.

Sold by Druggists generally. Prior 25 Cents.

C. N. TUTTLE, General Agent.



PATENT Self-Ventilating Covered Milk-Pan.

PRATT'S

This is an enclosed milk-pan, This is an enclosed milk-pan, so arranged as to secure the suprly and circulation of air required for the separation and rising of the cream. By reference to the engraving, it will be seen that the pan has a cover; around the lower rim of this cover are several minute perforations for the air to enter, and at the top of the chimney, (as it may be called,) which rises from the centre of the cover is another series of perforations for the air to escape. When new milk is placed in this pan, the colder external air presses in through the lower range of perforations in the cover, and forces the warm air out through the perforations above, thus producing the required circulation. This circulation of air will diminish, as the cooling process goes on, but not cease; for, gases being evolved in the production of oream, their lightness will enuse the air air to draw in through the lower perforations, and so continue the process of ventilation.

The value of this new milk-pan will be at once apparent. Dairymen often have great difficulty in protecting their open pans from gnats, files, rats, mice, saits, lizzards, &c., &c.; and they cannot cover them, because, it the air is shut out, the cream will not separate from the milk.

But not alone to dairymen is the invention of value.—

the air is shut out, the cream will not separate from the milk.

But not alone to dairymen is the invention of value.—
In every family milk is used; and with one or more of these self-ventilating pans, the best condition for raising cream is secured. Covered, and set upon a shelf, or the cellar floor, the pan is entirely free from molestation.—
During the time that the patent was pending, in 1858, this Milk-pan was exhibited at the U. S. Agricultural Fair, held in Richmond, Va.; at the Pennsylvania State Fair, held at Pittsburgh; and at the New Hampshire State Fair, held at Dover. In each case DIPLOMAS were awarded.

ARTHUR, BURNHAM & GILROY. Sole Manufacturers,

117 & 119 South Tenth St., Philadelphia. Also, Manufacturers, under the Patent, of "The OLD DOMINION" COFFEE POT, and ARTHUR'S SELF-SEALING FRUIT CAME and James.

D. APPLETON & CO., 346 AND 348 BROADWAY, N. Y.

Have Just Published, VOLUME V.-("Cha-Cou.")

OF THE NEW AMERICAN CYCLOPÆDIA:

A Popular Dictionary of General Knowledge, EDITED BY

GEORGE RIPLEY AND CHALES A. DANA, Assisted by a numerous but Select Corps of Writers. The object of THE NEW AMERICAN CYCLOPÆDIA

Is to exhibit, in a new condensed form, the present state of human knowledge on every subject of rational inquiry in

of human knowledge on every subject to the subject

MANUFACTURES, ASTRONOMY, TRAVELS, LAW, MECHANICS, TRADEY, CHEMISTRY, MECHANICS, TRADEY, CHEMISTRY, MECHANICS, TRADEY, CHEMISTRY, MECHANICS, TRADEY, CHEMISTRY, MECHANICS, TRADEY, With this design, the numerous Encyclopædias, Dichonaries of special branches of study, and popular conversations, Lexicons, in the English, French, and German languages, have, of course, been diligently consulted and compared. But the NEW AMERICAN CYCLOP EDIA is not founded on any European model; in its plan and elaboration it is strictly original. Many of the writers employed on this work have enriched it with their personal researches, observations and discoverles. As far as is consistent with thoroughness of research and exactness of statement, the popular method has been pursued. By condensation and brevity, the Editors have been enabled to introduce a much greater variety of subjects than is usually found in similar works, and thus to enhance the value of the NEW AMERICAN CYCLOP ABDIA as a Manual of Universal Reference. At the same time an entertaining style has been aimed at, wherever it would not interfere with more important considerations. Special care has been bestowed on the department of Living Biography.

In the preparation of the present volume, nearly a hundred collaborators have assisted, including persons in almost every part of the United States, in Great Britain, and on the Continent of Europe whose names have attained an honorable distinction, each in some special branch of learning. No restriction has been imposed on them, except that of abstinence from the expression of private dogmatic judgments, and from the introduction of sectarian comments, at war with the historical character of the work. In this fact, it is hoped will be found a guaranty of the universality and impartiality of the NEW AMERICAN CYCLOP ÆDIA, which, the Publishers do not hesitate to say will be superior in extent, and from the counter of the work. In this fact, it is hoped will be found a guaranty of the universality and impartiality of the NE

ready.

WM. B. HOWE, Agent for Detroit.

Booksellers desiring to act as agents, will please address the Publishers.

PENFIELD'S SEED STORE AGRICULTURAL WAREHOUSE,

No. 103 Woodward Avenue, Detroit. W. S. PENFIELD, Agent. E. TAYLOB, Proprietor. Having purchased the above ESTABLISHMENT and increased the STOCK, I will sell

Increased the STOCK, I will sell

Every variety of FIELD and GARDEN SEEDS,
FARMING IMPLEMENTS, STOVES, TIN and COPPER WARE, &c., some of which are as follows:
Axes.

Axe Helves.
Apple Pickers.
Apple Parers.
Agricultural Furnaces.
Barn Door Rollers.
Bush Hooks.
Bush Boythes.
Bush Seythes.
Bog Hoes,

I amps. PER WARE, &c., some of wh Axes.

Axe Helves,
Apple Pickers.

Apple Pickers.

Happle Parere.

Barn Door Rollers.

Bush Boythes.

Bush Seythes.

Bush Seythes.

Bush Seythes.

Buck Saws and Frames.

Baskets, (splint) from 14 peck to 2 bushels.

Baskets, (Patent, iron-rivet-ed,) from 26 to 2 bushels.

Butter Stamps.

Cultivators, (Large.)

Corn Cultivators, with wheel

Bush Seythes.
Bog Hees,
Bog Hees,
Bog Hees,
Bulk Saw Sand Frames.
Baskets, (splint) from 14z
peck to 2 bushels.
Baskets, (Patent, iron-riveted.) from ½ to 2 bushels.
Butter Stamps.
Corn Cultivators, withwhee
Cultivator Teeth.
Carrot Weeder, (Horse.)
Corn Planters and Seed Drill
(Emery & Co. patent,) for
Horse.
Corn Planters, (hand.)
Corn Cultivers.
Corn Shellers.

Corn Cutters.
Corn Shellers.
Cradles and Scythes.
Churns, (thermometer dash.)

Starbuck's 1 coaching sizes.

Nourse, Mason & Co.'s "Earr gle," 4 sizes.

Nourse, Mason and Co.'s "Stubble Plow," 7 sizes. onums, (thermometer or dash.)
Cheese Presses.
Cheese Trubs (tin.)
Cider Mills.
Coffee Mills.
Cooking Scales.
Cow Bells.
Corn and Cob Mills.
Curry Combs.
Carpet Tacks.
Corn Poppers.
Clothes Pins.
Coal Hods.
Chains.
Drain Tile, 8, 4, and 5 inch.
Dog, (or Sheep.) powers for churning.
Dish Cloth Holders.

"Stubble Plow," 7 sizes.
Steel Plows.
Subsoil Plows.
Double Mold-board Corn
Plows.
Side Hill Plows.
Pump Reel, Curbs, galvanized fron tube and chain.
Pumps, (fron).
Potatoe Hooks.
Prining Saw and Chisels.
Pots and Kettles, (all sizes.)
Pepper Mills.
Road Scrapers.
Root Pullers.
Rakes, (hay, garden and

Drain Tile, 8, 4, and 5 Inch.
Dog, (or Bheep,) powers for
churning.
Dish cloth Holders.
Elevator Bneckets.
Forks, (hay or manure,)
to 8 tines.
Frants (stines.
Franning Mills, (Grant's.)
Flat-Iron Stands.
Fruit Cans, (tin, stone for
glass.)
Field and Garden Rollers.
Grind Stone.
Grind Stone.
Grind Stone Hangings.
Gate Hinges, large and smal
Gimblets, (all sizes.)
Gruth Hoes.
Garden Byringes,
Horse Powers, Threshers
and Separators.
Emery & Co.'s patent for
one or two horses, also,
sawy and saw attachment.
Hoes, all kinds, (hand.)
Horse Hoes.
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Water Rams.
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Horse Rakes.
Harrows, (square & triangular.)
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Hay Knives.
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Wash Boards.
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Wash Tubs.

FIELD, GARDEN, AND GRASS SEEDS Of best quality and every variety.

Persons ordering any of the above will please write their NAME and ADDRESS plainly. Direct to PENFIELD'S Seed Store, 108 Woodward Avenue, Detroit and they will receive prompt attention. E. TAYLOR.

N. B.—Cash paid for clean Timothy and Clover Seed.

27-tf

DIRNHAM & Co., Dealers in all kinds of Agri-cultural Implements, Garden and Field Seeds, Salt, Plaster, Coal, Water and Stone Line. Biorage and Com-mission. Warehouse near Eall Road depot. Battle Creek, Michigan. G. S. FEEL LING D. B. BURNHAM.

GLEN BLACK HAWK FOR SALE.

CLEN BLACK HAWK, 6 years old, jet black, perdouble—took the second premium, \$50, at the National
Horse Show at Kalamazoo, in October last—is a good
traveler, and for style cannot be beat; perfectly sound, and a sure foal getter; will be sold at a bargain. Any
one wishing a good stock horse cannot do better than
give me a call. Pedigree—Sire Lone Star, dam Messenger. Lone Star was by Vermont or Hill Black Hawk,
was a jet black, and sold to a Philadelphia company for
\$3,000.

E. E. ELIDRED. 8,000. F. E. ELDRED.
Detroit, January 1859, [15]

MICHIGAN FARMER. R. F. JOHNSTONE, EDITOR.

Publication Office, 130 Jefferson Avenue. DETROIT, MICHIGAN.

S. FOLSOM, WOOL DEALER. 90 Woodward Avenue,

THE MARKETS.

Flour and Meal.

Since our last issue the breadstuffs market both here and in New York has materially improved. This improvement has resulted from a temporary scarcity, and it is not considered at all permanent. On the other hand it is said that the first heavy receipts will produce a change, and this is looked for at any moment. Be this as it may, it is certain that, in Detroit, flour is 25a87; contains a same whose since, and that a corresponding adbetter than a week since, and that a corresponding advance also obtains in the wheat market.
Flour had been moderately active, but closes quiet at
\$4.62\(\pm\askleft\) a\$4.75 for red wheat brands, and \$4.75\(\askleft\)4.87\(\pm\askleft\)6 for

white. Both demand and supply are, to-day,

quite light.

Wheat has advanced 20c, closing firm at \$1 for red and \$1.08a\$1.10 for white. There is at the close a good demand for wheat both for milling and for shipment, but buyers talk of a speedy decline.

Corn—Has been very scarce, and has ruled firm at 72c,

our last week's quotation.
Oats—Have been in better supply, and prices have de-clined a few cents. On street, the prevailing rate is 28c, though 36c is still commonly asked. Rye-is beginning to come in, but no sales have been

made.

Barley—Is also arriving in small quantities. A sale was made early in the week at \$1 for 100 lbs. The quality of the lot was not stated.

Mill feed—Bran is quoted dull at \$11a\$12 per ton.—Cornmeal in very little request, and nominally un-

oes..Are a shade better than last week, though still rather dull. We quote 85a42c.
Butter—Dull at 12%c for keg, and 18a14c for prime

Eggs-Very dull. There is hardly any demand at all

for eggs, and by the barrel we cannot quite over 5a6c.— In smaller quantities 7a8c is the market price.

On Monday last, the ruling prices at several different

oints on the Central Road were—	
Red.	White.
St. Joseph 850	95c
Niles75c	80c
Dowagiac80c	85c
Ralamazoo75e	80c
Battle Creek85c	92c
Marshall75c	85c
Albion80c	90c
Jackson80c	85e
Chelses	85c
Dexter95c	100c
Ann Arbor85c	90e
Ypsilanti85c	90c
At Chicago on the 24th, the quotations wer	e-No. 1

red wheat 95c, No. 1 spring 76a50c. Corn, canal 621/4a 64c, No. 1 61a62c. Flour, winter grades \$5a5.25, spring \$4. Oats 28a28c.

At Milwankee on the 28d, sales were made at \$3.75a 4.50 for spring extra flour, 72a80c for new spring wheat, 22c for cats, 62½c for corn, 40a45c for barley, and 50c for

At Cincinnati on the 22d, flour was quoted at \$4.65 for superfine, and \$4.75a5.10 for extra, the latter only for a very choice article. Wheat 95a98c for red, \$1.08a1.10 for white. Corn 77c Oats 40a42c. Barley 60c per bu. At Toledo on the 28d, the market stood: Flour \$4.62%, wheat \$1.07a1.08 for white, and \$1a1.08 for red. Corn 68c. Barley 50a55c per bu. Oats 32c.
At Cleveland on the 23d, flour was quoted all the way from \$4.75 to \$5.75.

from \$4.75 to \$5.75.

At Burfalo on the 24th, flour was in fair demand at \$4.754.57\(\times \) for extra michigan. Wheat, steady at \$1.15 for white, \$1.05a1.06 for red, and 86c for new Chicago spring. Corn, dull at 68c for No. 1. Oats \$28.32\(\times \). apring. Corn, dull at 68c for No. 1. Oats 32a3214c.
At Albany on the 22d, flour was steady. Cornmeal \$1.56a1.69. Red wheat \$1.11. Corn scarce.

At Oswego, on the 20th, the quotations were, flour \$4 5055 0\$, new red Indiana wheat \$1 10, corn 70c. At Boston, on the 22d, the flour market was steady. Sales of western superfine at \$4 25a4 50, fancy \$4 50a4 75. on,\$5 25a5 50 for family and \$5 50aS 00

or superior brands.

In New York, on the 24th, flour was active and advancing, wheat scarce, corn also scarce and oats firm and active. The market rates compared with those of a week previous were as follows:

quotations, reduced to our currency, are as follows

Live Stock, &c. There has been no important change in our live stock market sinze last week. We quote beeves, live weight, \$2 50a2 75; hogs, also live weight, \$5 50a5 75; sheep each \$2a2 50 Market dull.

In Albany on Monday, with a falling off in receipts there was more steadiness in prices. The demand for beeves was almost entirely for the prime qualities, of re steadine which the receipts were limited.

Of seep and lambs the receipts were again large, but prices remained unchanged. Sale 1800 head at \$2.62% a \$3.62%.

prices remained unchanged. Sale 1800 head at \$2.62% at \$3.62%. In New York, the Tribune says, the market opened on Tuesday with a largely diminished supply as compared with last week, say 2,600, against 8,400 head the previous Tuesday. This fact encouraged the eattle brokers to try to advance the rates a little, and as the weather was favorable and the demand for a few hours pretty brisk, they succeeded in working off a good many cattle at an advance of half a cent a pound upon the highest grades, to 10a10% a pound for all fair retailing market beef, and 11c for a considerable number that, as compared with most, might be called extra. Prices for the medium grades, too. were advanced a little at the first, but buyers held off, and before night the market was drooping, and brokers were willing to concede more to buyers. Upon the poorest grades, we could see an advance. At last week's rates the sales were very slow. When the market closed a rather larger number than usual were left over for to-day.

We expect to see all this autumn prices range five or six cents pound net, and an over supply all the time of those of a low order.

those of a low order.

Compared with this day, week, the sheep market is certainly better for the drovers, so far as the sale of first quality is concerned, and worse as it regards lambs.—
Good sheep for the butcher are worth 7a8c net, a pound,

and extrs ones 9a10c.

Since Friday last, 180,000 In fleece sold at a range of 88a50c., and 80,000 In super lambs', pulled, 88a60c. Of old pulled the stock is nearly exhausted. The market still remains quiet for all descriptions but firm. In foreign we have nothing to report in the way of sales or prices, Holders are seeking an advance, which buyers

WOOL! WOOL!!

30,000 POUNDS OF WOOL WANTED

A TOSHORN'S FACTORY in exchange for good substantial cloth such as DOESKIN, CASSI-MERE, BLACK, BEOWN and GRAY CASSIMEEES, SATINETT, TWEEDS, WHITE and EED FLANNEL, also STOCKING YARN, all of which were made expressly for durability. We will exchange for wool on the most reasonable terms, also wool manufactured on shares, or by the yard, also wool carded, and spun, and twisted at our usual rates. All those in want of a good article of cloth for their own use, will do well to send their wool to Osborn's Factory. All work warranted well done and done to order. All wool sent to Ann Arber by Rail Boad will be promptly attended to. For further particulars please address at Ann Arbor, 28-6m*

PUBLICSALE OF

DEVON CATTLE SOUTHDOWN SHEEP.

O'N WEDNESDAY, 7th September next, at 10 o'clock A. M., at my farm on Grand Island near Buffalo, I will sell my entire herd of thoroughbred Devon cattle, consisting of upwards of thirty cows, helfers, bulls, and bull and helfer calves.

I will also sell at the same time one hundred thorough bred Southdown Ewes and Rama. Also one hundred or more choice grade breeding Ewes of Cotswold and Southdown crosses—the best mutton sheep.

Also half a dozen superior young white breeding sows. The sale will be positive and without reserve, if there be purchasers to buy the stock, as I am going out of stock breeding altegather.

TEEMS.—On sums over \$50, and up to \$100, six

of stock breeding altogether.

TERMS.—On sums over \$50, and up to \$100, six months, and sums over \$500, a year's credit will be given, on approved notes, with interest, or, a liberal discount will be made for cash.

The stock will be delivered to the purchasers at either of the rail-road stations in Buffalo, Black Rock, or Tonawanda, or at the steamboats in Buffalo, if required.

Catalogues of the stock will be sent by mail to those wanting them.

A steam ferry boat will gross the river areas to the

wanting them.

A steam ferry boat will cross the river every hour, between Lower Black Rock and the farm on the day of sale. The stock can be seen at any time previous, by calling at my residence. LEWIS F. ALLEN.

Black Rock, N. Y., August 1, 1859.

THE IMPLEMENT FOR GARDENS



PRICE \$3.50.

WE offer for sale the Hand Scarifier, the most desira-ble and useful implement for gardens, of any that has been invented, and the most perfect labor saver. Read the testimony of those who have tried it last

ROOMESTER, OAKLAND, Co., MICH., FEBY., 1859.
MESSER, BLOSS & ADAMS:
You cannot recommend too highly your Hand Scariffer. It is an invaluable machine for cultivating all root crops sown in drills. It works easy, a boy of 12 years old can use it and do more work than five men can with hoes in the same time. It pulverless the surface of the ground and kills all the weeds. I had one the last season and speak from experience. A person having a quarter of an acre of garden to cultivate should not be without one and no farmer or gardener after using one a single hour would be without one for four times its cost.

W. JENNINGS.

ROCHESTER, OAKLAND, Co., MICH., FEBY, 1859.

MESSER. BLOSS & ADAMS:

In answer to your inqury, "How we like the Hand Scarfiler," we reply that we are highly pleased with it.—
It is the greatest labor saving machine for its cost that we have ever used, or seen. For all root crops sown in drills it is invaluable. One man with this machine can do more work in one day than five can with hoes, and do it better. We have used it two seasons and would rather pay twenty dollars for one than do without it.

Yours respectfully, JU. ADAMS.

These implements are for sale, by the subscribers at heir their seed store, J. B. BLOSS & CO.

No. 22 Monroe Avenue, Detroit.

1859. SUMMER ARRANGEMENT. 1859

C. I me manufactural massessment in massessment com MICHIGAN SOUTHERN AND

DETROIT, MONROE and TOLEDO RAIL ROAD.

ON and after Monday, April 18th, 1859, Passenger Trains will run as follows: Leave Detroit for Adrian and Chicago at 6.45 A.M, and 5.00 P.M.

.00 P.M. Arriving at Adrian at 9.57 A.M and 10.00 P.M. "Chicago at 7.00 P.M and 7.00 A.M. For Monroe, Toledo, Cleveland, Cinclunati, Buffal and New York: Leaves Detroit at 6.45 A.M and 1.00 P.M und New York: Leaves Detroitate, 49 A. M. and 1,10 P. M. Arrives at Monroe at 5,88 A.M. and 3,20 P.M.
"Toledo at 9,85 A. M. and 4,30 P.M. Leaves Toledo at 1,015 A.M. and 5,20 P.M. Arrives at Cleveland at 8,10 P.M. and 9,20 P.M. From Chicago for Detroit:
Leaves Chicago at 6,90 A.M. 8,00 A.M. and 8,00 P.M.

Leaves Chicago Leaves Chicago at 6.00 A.M., 8.00 A.M. and 8.00 P.M. From Cleveland for Detroit: Leaves Cleveland at 4.00 A.M., 11.25 A.M., and 6.20 P.M., "Toledo at 4.10 P.M., 10.35 P.M. Trains arrive at Detroit from Chicago, Adrian, Cleve-land and Toledo at 1.35 A.M., 12.15 P.M. and 7.15 P.M.

CONNECTIONS:

CONNECTIONS:

The 6.45 A.M., Train from Detroit makes direct connection at Adrian, with Express Train for Chicago and Jackson, Arriving in Chicago at 7.09 P.M., in time to connect with the Trains of all Roads running west of Chicago; and at Toledo with Express Train for Cleveland—arriving in Cleveland at 3.10 P.M., making direct connection with Express Train for Buffalo and New York; arriving in New York at 1.20 P.M., and with the Express Train for Pittsburg.

The 1.00 P.M. Train connects at Toledo with Express Train for Cleveland, Buffalo, and New York—arriving in Cleveland at 9.20 P.M.,—next evening, and with Express Train for Pittsburgh.

The 5.00 P.M. Train, connects at Adrian with Express Train for Chicago—arriving in Chicago at 7.00 A.M.

The 6.90 P.M. Train from Cheveland, and 10.35 P.M.

Train from Toledo, arrives in Detroit at 1.35 A.M.—Making Direct connection at Detroit with Express Train on Great Western Railway for Suspension Bridge and Niagara Falls.

Niagara Falls.

The 11.25 A.M. Train from Cleveland; the C.A.M. Train from Clieveland; the C.A.M. Train from Clieveland; the C.A.M. Train from Chicago via Advian. the S.A.M. Train from Toledo, makes direct connection at Detroit with Express Train on Great Western Railway for Suspension Bridge and Niagara Falls, leaving Detroit at S.50 P. M. Direct connections are also made, at Detroit with the Petroit and Milwaukee Railway.

The State of Connections are also made, at Detroit with the Petroit and Milwaukee Railway.

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JNO.). CAMPHELL,
SUPERINTENDENT.
1. P. KNIGHT, Agent, Detroit.

DRAIN TILE!

WE KEEP CONSTANTLY ON HAND THE different kinds of Drain Tile, at PENFIELD'B, 108 Woodward avenue.

WALLACE'S WOOLEN FACTORY. BATTLE CREEK, MICH.

THE SUBSCRIBER continues to manufacture wool into CLOTH, CASSIMERE, TWEEDS and FLANNEL for farmers, either on shares or by the yard.—Terms as reasonable as any other good establishment in the State. Goods warranted perfect, hard twisted, and durable, free from cotton, old rags or flocks.
Farmers if you want a good article of cloth, send on your wool; it may be sent by railroad, with directions, and shall be promptly returned, and warranted to give satisfaction or all damages paid.

A large stock and good variety of cloths, stocking yarn, &c., always on hand.

He will pay the highest market price in cash, or cloth at wholesale prices, for any quantity of wool delivered at his factory.

Actory.

Wool carding and cloth dressing done in the best man carr on short notice.

WILLIAM WALLACE.
23-6m Battle Creek, May, 1859.

THE GREAT PREMIUM MOWER. THE AULTMAN AND MILLER MOWING MACHINE



PATENTED BY C. AULTMAN & L. MILLER, To which was awarded the First Premium a Gold Medal and Diploma, at the
Great National Trial at
Syracuse, N. Y.,
July, 1857.

MANUFACTURED BY C. AULTMAN & Co., Canton, Stark County, Ohio.

After toiling and experimenting for many years, we have finally succeeded in getting up a machine that is perfectly adapted to cut both Grain and Grass. The public are already aware that we have been manufacturing a Mowing Machine that has been unrivalled in any market. But the Farmer wants a machine that will cut both grain and grass, provided he can get a combined machine that will mow as well as a machine made expressly for reaping. This we furnish in our Nove Machine. First,—We have a perfect Mower, having several advantages over all other Mowers, and no disadvantages, which will be readily seen by examining some of its points of excellence.

vantages over all other Movers, and no disadvantages, which will be readily seen by examining some of its points of excellence.

Second,—We have a perfect Reaper, which has all the advantages of a single machine, and the only true way of delivering the grain at the side of the machine.

We have a cutter bar and platform for cutting grain, independent of the Mower, so that in changing the Mover into a Reaper, we just uncouple the cutter bar at the hinge and couple the Reaper platform which readers the machine complete for cutting Grain.

In having two cutter bars, one for grass and the other for grain, each is perfectly adapted for doing the work it is designed to do, thus avoiding the great difficulty here-tofore existing in combined machines, in having the cutter bar either too long for grass or too short for grain. This machine has been thoroughly tried, both in grass and grain, having had a number in use the past harvest.

The following are some of its points of excellence as

The following are some of its points of excellence as a Mower:— 1st. It has not one pound of side draft.
2d. It has no more weight on the tongue, or horse

2d. It has no more weight on the tongue, or horses' neck, than a wagon.

8d. Its draft is only 275 pounds—so reported by the Committee at the Ohio State Trial, 1851.

4th. It runs on two wheels which serve as drivers.

5th. It has an adjustable cutter bar and accomodates itself to an uneven surface of the ground.

6th. The cutter bar is in front of the driving wheels and the seat in the rear. Thus enabling the driver to see the operation of the cutters, without interfering with his driving. Also, avoiding all danger of falling into the knives.

7th. The driving wheels have no cogs on them, but drive the gearing by means of palls and ratchets.

driving. Also, avoiding all danger of falling into the knives.

7th. The driving wheels have no cogs on them, but drive the gearing by means of palls and ratchets.

8th. By means of these pails and ratchets, the knives cease to vibrate in backing the machine.

9th. The driver, while in his seat, can see every bolt, box, and all the gearing when the machine is in motion. 10th. The gearing is all permanently arranged in the centre of the frame, distant from the driving wheels, thus avoiding all tendency of its being clogged up with mud or dirt thrown up by the drivers.

11th. The cutter bar being attached to the machine by means of hinges, can be folded up on top of the machine without removing the connecting rod, knife or track cleaner.

track cleaner.

12th. The palls on the driving wheels can readily be thrown out of gear, and by folding the cutter bar as above stated, renders the machine as portable as a com-

above stated, renders the machine as portable as a common cart.

18th. There is a wheel on the shoe next the gearing in front of the cutter bar, thus avoiding all tendency of clogging at the near shoe, in passing over cut grass.

14th. The off shoe is only 2½ inches wide, and the last knife cuts no more than any other, therefore leaving no ridge or high stubble at the end of each swath.

18th. The cutter bar can be raised or lowered by means of an adjustable steel spring shoe at off end, and a slot in the near shoe where the wheel is attached.

16th. There are no nuts or screws at the connecting rod, which are always aliable to cause more or less trouble by jerking loose, but use a gib with a spring pall and a ratchet key, thereby avoiding all possible chance of shaking loose.

Points of excellence as a Reaper:-

Points of excellence as a Reaper:—

1st. It has all the advantages that the Mower has in the gearing, connecting rod, and draft for the horses.
2d. The grain is delivered at the side, so that a whole field can be cut without taking any of it up.
3d. The driver's seat is the same as on the Mower, affording him a free view of the operations of the machine.
4th. The raker stands at the rear of the platform which is the best position for delivering the grain.
5th. The raker with one motion, throws the grain to the side, then delivers it in the rear; thus avoiding the difficulty of dragging the grain from one gavel to another.
6th. The platform can readily be raised or lowered to suit all kinds of grain or ground, by means of two screws, at near side, and slot at off side, when off platform.
N. STEELE is the travelling agent, and is now soliciting orders in this State.
All letters of inquiry, or requesting further information.

ng orders in this State.
All letters of inquiry, or requesting further information
E. ARNOLD,
v be addressed to
Dexter, General Agent, or
BLOSS & CO., Special Agents, Detroit.

J. L. HURD & CO. DETROIT MICH.

Produce and Shipping Merchants AMERICAN TRANSPORTATION COMPANY. CAPITAL \$900.00 WESTERN TRANSPORTATION COMPANY.

CAPITAL \$900,000. AND THE NEW YORK CENTRAL B. R. Co.

We would respectfully announce to the Millers, Mer-hants and Manufacturers of Michigan, that the recent eduction of Canal Toils on the Eric Canal, will enable is to carry eastward, from Detroit,

FLOUR, WHEAT, CORN, GAIO,

HIDES,

And all other products of Michigan, at prices much below those of former years. Our lines are

THE MODEL LINES OF THE COUNTRY.

Foot of Second-st.

Horse Fowers, Threshers and

Cleaners! DITT'S 8 AND 10 HORSE, EMERY'S 1 AND 9 PITT'S S AND 10 HUNESE, EMERICA 1 AND 2
Horse (tread) Powers, Pease's Excelsior Powers,
Corn and Cob Mills, Corn Mill and Feed Mills, Flour
Mills, Cross-cut and Circular Saw Mills, Leonard Smith's
Smut Machines.

D. O. & W. S. PENFIELD,
No. 108 Woodward Ave., Detroit.

MORE TO BE ADMIRED THAN THE RICHEST DIADEM

EVER Worn by Kings or Emperors.

What? Why a Beautiful Head of Hair.

Because it is the ornament God Himself provided for all our race. Reader, atthough the rose may bloom ever so brightly in the glowing cheek, and the eye be ever so sparkling, the teeth be those of pearls, if the head is bereft of its covering, or the hair be snarled and shriveled, harsh and dry, or worse still, if sprinkled with gray, nature will lose half her charms. Prof. Wood's Hart Restorative, if used two or three times a week, will restore and permanently secure to all such an ornament. Read the following and judge. The writer of the first is the celebrated Planist, Thalberg:

New York, April 19, 1838.

Dr. Wood:—Dear Sir.—Permit me to express to you the obligations I am under for the entire restoration of my hair to its original color: about the time of my arrival in the United States it was rapidly becoming gray, but upon the application of your "Hair Restorative' it soon recovered its original hue. I consider your restorative as a very wonderful invention, quite efficacious as well as agreeable. I am, dear sir, yours truly,

"Drych a'r Gwylledyct." What? Why a Beautiful Head of Hair.

"Drych a'r Gwyliedyct."

Welsh Newspaper office, 18, Nassau st., April 12, 1858. Welsh Newspaper office, 18, Nassau st., April 12, 1858.

Prop. 0, J. Wood:—Dear Sir.—Some month or six weeks ago I received a bottle of your Hair Restorative, and gave it my wife, who concluded to try't to nher hair, little thinking at the time that it would restore the gray hair to its original color, but to her as well as my surpise, after a few weeks' trial it has performed that wonderful effect by turning all the grey hairs to a dark brown, at the same time beautifying and thickening the hair. I strongly recommend the above Restorative to all persons in want of such a change of the hair.

CHARLES CARDEW.

New York July 25, 1857.

CHARLES CARDEN.

New York, July 25, 1857.

Prof. O. J. Wood:—With confidence do I recommend your Hair Restorative, as being the most efficacious article Lever saw. Since using your Hair Restorative my hair and whiskers which were almost white have gradually grown dark: and I now feel confident that a iew more applications will restore them to their natural color. It also has relieved me of all dandruff and unpleasant itching, among persons who perspire freely.

J. G. KILBY.

Prof. Wood:—About two years ago my hair commenced falling off and turning gray; I was fast becoming bald, and had tried many remedies to no effect. I commenced using your Restorative in January last. A few applications fastened my hair firmly. It began to fill up, grow out, and turned back to its former color, (black.) At this time it is fully restored to its original color, health and appearance, and I cheerfully recommend its use to all.

Chicago, Ill. May 1, 1857.

(black.) At this time it is fully restored to its original color, health and appearance, and I cheerfully recommend its use to all.

Chicago, Ill., May 1, 1857.

The Restorative is put up in bottles of 8 sizes, viz: large, medium, and small; the small holds ½ a pint, and retails for one dollar per bottle; the medium holds at least twenty per cent. more in proportion than the small, retails for two dollars per bottle; the large holds a quart, forty per cent, more in proportion, and retails \$3.

O. J. WOOD & CO., Proprietors, all 2 Broadway, New York, (in the great N. Y, Wire Railing Establishment,) and 114 Market St., St. Louis, Mo.

And sold by all good Druggists and Fancy Goods Dealers.

S the most powerful and most economical machine is use for pulling stumps, and will clear a field in les ime than any other invention of a like kind. time than any other invention of a like kind.

Twenty-three stumps have been pulled with this Machines in an hour and fifteen minutes. The undersigned will sell machines and rights to use and manufacture in any part of Michigan except the counties of Hillsdale, Branch, Wayne, Washtenaw, Jackson, Calhoun, Kalamazoo, Van Buren, Macomb, Genesee, Shlawasse, Saginaw Tuscola and St. Clair, which are already sold.

All necessary information as to prices, and mode of using, will be given on application to DAVID BLACKMAR, Ypsilanti. or to R. F. JOHNSTONE, Editor Michigan Farmer.

or to R. F. JOHNSTONE, Editor Michigan Farmer.

The Machines are manufactured at the Detroit Locomotive Works from the best Lake Superior Iron. [8]

DAINES' AMERICAN DRAIN TILE MAKER. The Best and Cheapest Tile Machine in the World.

Forty-one first Premiums awarded to it at State and County Fairs. First Premium at the National Fair, at Louisville,

The TILE MACHINE invented by JOHN DAINES, of Birmingham, Oakland county, Michigan, is now being manufactured in the most thorough manner, and is offered to the farming community as the

Cheapest, Most Labor-Saving and Most Complete Invention,

Complete Invention, and enabling farmers to make their own Tiles, that has yet been put before the Agriculturists of the United States, at a reduced price.

These machines are made of iron, are easily worked, any man being able to manufacture a first rate article after a few hours practice.

They cost delivered in Detroit, only \$100. They have two dies, for three and four inch tile; and extra dies to accompany the machine cost \$2.00 each.

These machines will manufacture per day, according to the force employed, from 150 TO 250 RODS OF HORSESHOE OR PIPE TILE. The machine weighs but 500 pounds, and can be packed and sent to any part of the United States, or to foreign countries, as easily as a plano. With this machine; any farmer who has a fair quality of clay on his farm, can manufacture his own Tiles at a cheap rate, and easily save the price of the machine by avoiding the cost of transportation. The machine when in operation, takes up no more room than an ordinary sized kitchen table; it may be worked by two or three men as may be found most convenient and economical, or a man and two boys can keep it in full operation.

this The Maker Challenges
the World!

At the present time, when thorough draining has become a necessity on alluvial lands, it offers the simplest and cheapest means of furnishing farmers with a draining material far superior to any other material now used for that purpose.

FURNITURE WAREHOUSE. ON JEFFERSON AVENUE. BELOW MICHIGAN EXCHANGE, DETROIT. The subscribers keep constantly on hand a large stock

Mahogany and Domestic Wood. Those wishing rich and fashionable furniture, will always find a great variety to select from—equal in every respect to anything in the Eastern market. Being in constant receipt of Pattern Pieces from the

Both Modern and Antique Styles; in Rosewood.

they are enabled to guarantee the most **Perfect Satis**.

(action to their customers,

They also keen enabled.

They also keep constantly on hand a large and com-plete assortment of Plain Furniture of Mahogany, Cher-ry and Walnut. In short, every article in the line of Household Furniture will be found in their Stock, inclu-ding Chairs of every style and price, from four shillings to sixty dollars each. The subscribers now have on hand, and make to order, best

HAIR MATTRESSES.

Their customers can rely upon getting a genuine article CORN-RUSK MATTRESSES & STRAW PALLIASES CORN-RUSE MALL I RESOLUTION CONSTRUCTION OF THE CONSTRUCTION OF TH

SEEDS, SEEDS!

THESH SHAKER SEEDS, of LAST YEARS
growth and warranted. Also, Spring Wheat, Sweet
Potatoes of several kinds, King Philip, Flour, Duttons,
Kight Rowed and Sweet Corn, Timothy, Clover, Barley
Pens, &c., at

108 Woodward Ave, Detroit

FEVER AND AGUE,

FEVER AND AGUE,
from which mankind suffer over a large part of the
globe, is the consequence of a diseased action in the system, induced by the poisonous misam of vegetable decay. This exhalation is evolved by the action of solar
heat on wet soil, and rises with the watery vapor from
it. While the sun is below the horizon the vapor lingers
near the earth's surface, and the virus is taken with it
through the lungs into the blood. There it acts as an irritating poison on the internal viscers and excreting organs of the body. The liver becomes torpid and fails to
secrete not only this virus, but also the bile from the
blood. Both the virus and the bile accumulate in the
circulation, and produce violent constitutional disorder.
The spleen, the kidneys, and the stomach sympathize with
the liver, and become disordered also. Finally, the instinct of our organism, as if in an attempt to expel the noxious infusion, concentrates the whole blood of the body
in the internal exerctories to force them to east it out.—
The blood leaves the surface, and rushes to the central
organs with congestive violence. This is the CRILL.—
But in this effort it fails. Then the Fevex follows, in
which the blood leaves the central organs and rushes to
the surface, as if in anesther effort to expel the irritating
poison through that other great excretory—the skin.—
In this it also fails, and the system abandons the attempt
exhausted, and waits for the recovery of strength to repeat the hopeless parxysms of Fevera And Ague. Such
constitutional disorder will of course undermine the
health if it is not removed.

We have labored to find, and have found, an antidote,
Ayer's Ague Cure,

which neutralizes this malarious polson in the blood, and attinulates the liver to expel it from the body. As it should so it does cure this affilicting disorder with perfect certainty. And it does more, or rather does what is of more service to those subject to this infection. If taken in season it expels it from the system as it is absorbed, and thus keeps those who use it free from its attacks; keeps the system in health although exposed to the disease. Consequently it not only cures, but protects from, the great variety of affections which are induced by this malignant influence, such as Remittent Fever, Chill Fever, Dumb, or Masked Ague, Periodical Headache, or Billious Headache, Billious Fevers, Neuralgia, Rheumatian, Gout, Billadness, Toothache, Earache, Catarrh, Asthma, Palpitations, Palaful Affections of the Spleen, Hysterics, Colic, Paralysis, and Palaful Affections of the Stomach and Bowels, all of which, when arising from this cause will be found to assume more or less the intermittent type. This "AGUE CUEE" removes the cause of these derangements, and cures the disease.

This it accomplishes by stimulating the excretories to expel the virus from the system; and these organs by degrees become habituated to do this their office of their own accord. Hence arises what we term acctimation. Time may accomplish the same end, but often life is not long enough, or is sacrificed in the attempt, while this "AGUE CUEE" for the whole class of diseases which are caused by the missmatic infection, than any other which has been discovered; and it has still another important advantage to the public, which is, that it is cheap as well as good.

PRICE ONE DOLLAR PER BOTTLE.

PRICE ONE DOLLAR PER BOTTLE. PRICE ONE BOLLAR PER BOTTLE.
Prepared by Dr. J. C. AYER,
PRACTICAL AND ANALYTICAL CHEMIST
Lowell, Mass.
All our remedies are for sale by J. S. Farrand, Detroit, and by all Druggists every where.
aug3m

SANFORD'S LIVER INVIGORATOR.

T is compounded entirely from Gums, and has become an established fact, a Standard Medicine, known and approved by all that have used it, and is now resorted to with confidence in all the recommended.

It has cured thousands who had given up all merous unsolicited certishow.

who had given up all merous unsolicited certishow.

The dose must be adapted for the individual taking tities as to act gently on. Let the dictates of your the use of the LIVER and it will cure Liver lious Attacks, Dysplantial Costilera, Cholera Morgan tum, Flature entery, Bropsy, Habitual Costivelera, Cholera Morgan tum, Flature enale Weak used successfully as an Medicine. It will ACHE, (as thousands minutes, if two or are taken at companions of the mony in its favor.

MIX WATER IN THE MOUTH WITH THE INVIGORATOR, AND SWALLOW BOTH TOGETHER.

Price one Bollar per Bottle.

SAN FOR D'S

SANFORD'S

SANFORD'S

CATHARTIC PILLS

COMPOUNDED FROM

GLASS CASES, Air Tight, and will keep in any climate.

The constantly increase who have long used the faction which all express induced me to place them. The Profession well tharties act on different. The FAMILY CALAS, with due reference to been compounded from a stable Extracts, which act alimentary canal, and are called tharties act on different. The FAMILY CALAS, with due reference to been compounded from a stable Extracts, which act alimentary canal, and are called tharties act on different. The FAMILY CALAS, with due reference to been compounded from a set able Extracts, which act alimentary canal, and are called tharties alimentary canal, and are called the compounded from a set alimentary canal, and are called the compounded from a set alimentary canal, and are called the profession of the bowles. THARTIC PILL is a tic which the proprietor more than twenty years, ing demand from those prilt. Sand the satisfue demand from those protions of the browels. THARTIC PILL is a dit which the proprietor and read the satisfue demand from these profession within the reach of all. THARTIC PILLs and are the satisfue demand from these profession within the reach of

THE GREAT ENGLISH REMEDY. CELEBRATED FEMALE PILLS! Prepared from a Prescription of Sir John Clarke, M. D., Physician Extraordinary

to the Queen.
THIS invaluable medicine is unfailing in the cure of all I those painfail and dangerous disorders incident to the female constitution. It moderates all excess, and removes all obstructions and a speedy cure may be relied

moves all obstructions and a speedy cure may be relied on.

TO MARRIED LADIES

It is peculiarly suited. It will in a short time bring on the monthly period with regularity.

Each bottle, price One Dollar, bears the Government Stamp of Great Britain, to prevent counterfeits.

CAUTION.

These Pills should not be taken by females that are pregnant, during the first three months, as they are sure to bring on miscoarriage; but at every other time and in every other case, they are perfectly safe.

In all cases of Nervous and Spinal Affections, Pains in the back and limbs, Heaviness, Fatigue on Slight Exertion, Palpitation of the Heart, Lowness of Spirits, Hysterics, Sick Headache, Whites, and all the painful disorders occasioned by a disordered system, these Pills will offects cure when all other means have failed, and although a powerful remedy, do not contain iron, calomel antimony, or anything hurtful to the constitution.

Full directions accompany each package.

Sole Agents for the United States and Canada,
JOB MOSES, (Late I. C. IdBawin & Ca.)

Rochester, N. Y.

N. R.—\$1.00 and 6 postage stamps enclosed to any

N. R.—\$1.00 and 6 postage stamps enclosed to any authorized Agent, will ensure a bottle of the Pills by return mail.

For sale in Detroit by J. S. CUTHBERT & CO., J. S. PARRAND, T. & J. HINCHMAN, and in one Drug Store in every town in the United States.